

1980 AUTOMOTIVE SUPPLEMENT

CATALOG 80-A

IMPORTANT

This supplement
replaces all previous
supplements
and New Tool News
issued prior to
Mar., 1980.
Add to Catalog 74



K-D TOOLS
make tough jobs easy

SEE 30 NEW TOOLS STARTING ON PAGE 100
Index inside front cover

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New Tools In Bold

Air Conditioning and Cooling Tools

K-D 2342 Bi-Metal Thermometer



Skin Packed

A must when checking automotive air conditioning output. Accurately measures outlet, evaporator and condenser temperatures — range 0 degrees fahrenheit to 220 degrees fahrenheit. Complete with protective sleeve and clip. Includes a rugged metal case with a break-resistant lexan lens. Has resettable dial feature.

K-D 2344 Anti-Blow-Back Valve



Skin Packed

Special one-way valve prevents accidental blow-back of system pressure into freon can. Screws easily onto Standard freon dispensing valve.

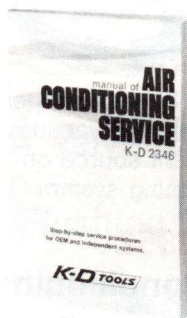
K-D 2345 Universal Compressor Clutch Tool



Skin Packed

Holds clutch plate and prevents it from turning when removing the shaft nut. Studs adjust to fit most American made compressors. Special bolt assembly included for foreign-made compressors. Eliminates the need for a special holder for each make of compressor.

K-D 2346 Air Conditioning Service Manual



This 192-page manual is an authoritative text on auto air conditioning. It covers step-by-step service procedures for OEM and Independent Systems. The manual, illustrated with more than 200 photos and diagrams, includes special sections for Diagnosis, Trouble-Shooting, Safety Precautions, Discharging and Charging, Compressor and Clutch Assembly, Testing Specifications.

K-D 2347 Auto Air Conditioning Service Technician's Kit



This set of tools, plus a vacuum pump, provides all the equipment required to test, evacuate, leak check and recharge automotive air conditioning systems. Furnished in a rugged high-density polyethylene case for convenient storage and carrying. *Kit includes the following, also available separately:*

- K-D 2046** Air Conditioner Ratchet Wrench
- K-D 2051** Manifold Pressure Gauge Assembly
- K-D 2052** Refrigerant Leak Detector
- K-D 2054** Safety Goggles
- K-D 2080** 90 degree Adapter Fitting
- K-D 2205** Throttle Adjusting Tool
- K-D 2225** Refrigerant Can Dispensing Valve
- K-D 2342** Bi-Metal Thermometer
- K-D 2344** Anti-Blow-Back Valve
- K-D 2346** Air Conditioning Service Manual

K-D 2348 Electronic Leak Detector



Safely, accurately and quickly detects refrigerant leaks in Air Conditioning systems. 100% Continued on next page.

Air Conditioning and Cooling Tools

K-D 2348 continued

solid state electronic coupled with "State-Of-The-Art" circuitry makes the unit extremely reliable and easy to use. Unique light-emitting diode warns if batteries are weak. Calibration is accomplished electronically without the need for the usual inconvenient external reference leak source. Audio-lead indicator assures efficient operation even in bright sunlight. Because it is electronic the hazards and inconvenience of the propane detector are eliminated.

Protected sensing tip is connected to the impact-resistant "Valox" case by a flexible metal snorkel. This allows one hand operation and provides easy reach to difficult locations. Disposable paper filters help prevent sensing tip from becoming clogged with grease. Special out-put jack is provided for an earphone which may be purchased separately.

Specifications

Size — 8.5" long x 3.20" wide x 1.82" thick.

Weight — approximately 1 lb.

Leak Detection Capability — as small as 1/2 ounce per year.

Power Source — 2 standard "C" size flashlight batteries.

Battery Life — approximately 40 hrs. Use alkaline batteries for longer life.

K-D 2349

96" Blue Low Pressure Side Hose



Skin Packed

Extra length hose makes air conditioning service easier! Has standard fittings. Can be used to replace worn or damaged hoses or used with K-D 2051.

*See replacement parts price sheet for other size hoses.

K-D 2350

96" High Pressure Hose with Safety Shut-Off Valve



Skin Packed

Includes flexible lead hose to allow access to any fitting, also the 8' length gives added reach. A unique safety shut-off valve prevents violent residual-hose-pressure discharge when disconnecting high-side hose from compressor on air conditioning system.

K-D 2351

96" Yellow Vacuum Hose

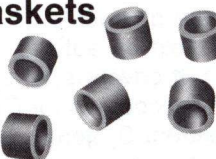


Skin Packed

Special 8' length to permit easier connection to vacuum pump or refrigerant source on air conditioning system.

K-D 2352

Air Conditioning Charging Hose Gaskets



Skin Packed

(Pack of 6) Fits all standard hoses. Saves replacing entire hose if only gaskets are missing.

K-D 2353

Schrader Valve Depressor and Sleeves



Skin Packed

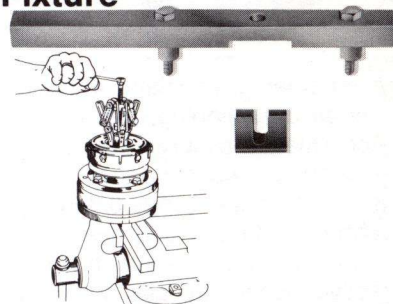
(Pack of 3) Each direct replacement for missing Schrader valve depressors and sleeve used on air conditioning systems.

New for Air Conditioning Service

GM R-4 Compressor Service Tools 2693 — 2697

K-D 2693

Compressor Holding Fixture



Holding fixture attaches to compressor with 7/16"-20 bolts. Mount assembly in vise when bench servicing is desired. Locking clip and hardware included.

K-D 2694

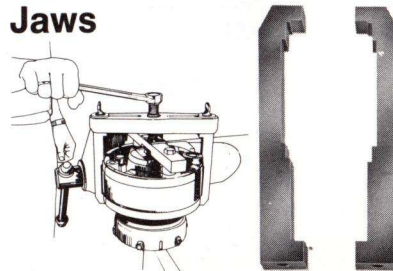
Compressor Rotor & Bearing Pilot



For removal of rotor and bearing assembly. Position pilot over shaft on compressor. Use with K-D 2292.

K-D 2695

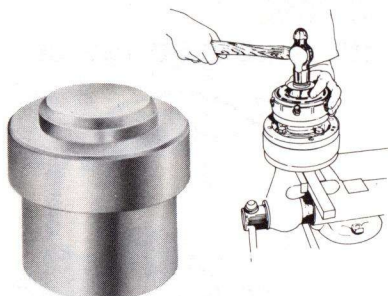
Compressor Shell Removal & Installation Jaws



For removal and installation of compressor shell. Use with K-D 2015 puller body and K-D 2693 Compressor Holding Fixture.

Air Conditioning and Cooling Tools

K-D 2696 Bearing and Clutch Assembly Installer



Permits installation of rotor and bearing assembly. Use with K-D 2693 — Compressor Holding Fixture.

K-D 2697 Compressor Oil Injector



This tool is designed to add compressor oil to the system when adding refrigerant. Used in conjunction with manifold gauge assembly K-D 2051. Capacity 2 oz.

K-D 2408 GM Thermal Limiter Tester



Skin Packed

Unique plug in tester quickly and accurately checks Thermal Limiter Switch, super heat switch and the entire air conditioning electrical circuit.

K-D 2409 Flexible Adaptor for 1976 GM Air Conditioning Systems



Skin Packed

This adaptor allows servicemen to use existing manifold hoses on 1976 GM cars. Flexible design permits access to tight places. Tool has a $\frac{3}{8}$ "-24 thread female connector on one end to fit the high side service port on 1976 GM systems, and a $\frac{1}{4}$ " male flare fitting on the other end to fit a standard service manifold hose. Adaptor has one way valve to prevent accidental flow back of system pressure.

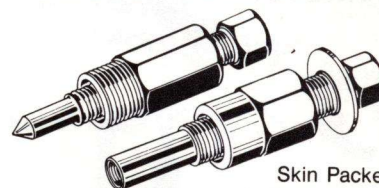
K-D 2410 STV/POA Valve Checker — System Flushing Tool



Skin Packed

This adaptor allows pressure testing of POA and STV valves to check for proper operation. Tool also provides a method of adapting to the condensor for flushing the system.

K-D 2416 GM Clutch Remover/Installer



Skin Packed

Removes and installs clutches on GM air conditioning compressors.

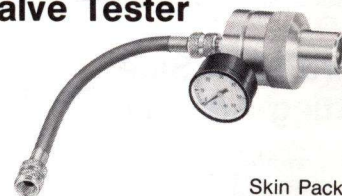
K-D 2535 Hi-Low Pressure Tester



Skin Packed

Works like a tire pressure gauge to make quick checks on auto air conditioning systems. Although this tool does not provide a continuous monitoring as is provided by K-D's No. 2051 Manifold Pressure Gauge Set, it does serve as a convenient GO-NO-GO gauge for fast and easy checks on most systems.

K-D 2536 STV/POA/EPR Valve Tester



Skin Packed

A diagnostic tool for checking POA valves on GM's VTR systems, STV valves on Ford's combination systems, and EPR valves on Airtemps systems. To use the No. 2536 tester, a valve which is suspected to be faulty is removed from the car's system and inserted into the tester's pressure chamber. External refrigerant pressure is then applied to determine the precise pressure at which the valve opens and closes. Pressure readings are made with the gauge mounted on the pressure chamber.

**K-D 2537
Ford STV Valve
Remover**



Skin Packed

The No. 2537 is required for removing the STV valve on late model, intermediate sized Fords. Conventional type wrenches will damage the valve. The tool is designed to wrap around the valve and apply an evenly distributed pressure when removing or installing the STV valve.

**K-D 2540
GM Expansion Tube
Installer**



Skin Packed

Due to a modification on GM's air conditioning systems, this tool is needed for removing and installing the expansion tube. The 2540 has application on most 1977 GM cars.

**K-D 2543
Ford High Side
Fitting Adaptor**



Skin Packed

This tool is similar to the K-D No. 2409 GM Fitting Adaptor and designed to allow the mechanic to connect standard 1/4" flare service hoses to Ford air conditioning systems. This adaptor is necessary due to a modification on Ford 1977 systems which prohibits existing manifold pressure gauges from being used.

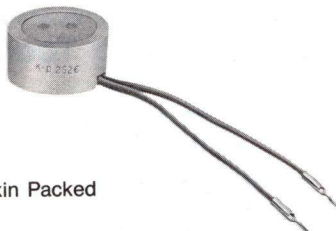
**K-D 2325
Battery Terminal
Pliers**



Skin Packed

Removes corroded clamps, including spring types, quickly and easily. Just slip pliers jaw under clamp and squeeze. Firm pressure will lift clamp without twisting or prying. Always remove negative terminal first. Red insulated handles for safety.

**K-D 2526
Battery Tester**

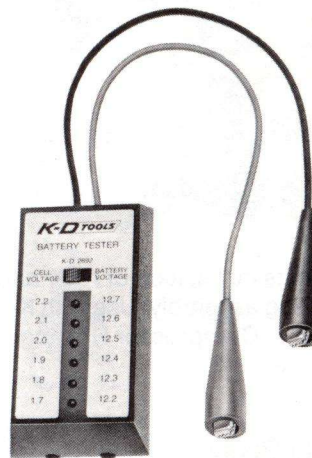


Skin Packed

Checks battery cells quickly and easily. GO-NO-GO LED indication. LED lights when cell is good. Simply insert corrosion resistant probes into two battery cells at a time. Impact resistant plastic case.

**New
State of the Art
Battery Tester**

**K-D 2692
Battery Voltage Tester**



Accuracy is assured with this battery voltage tester which measures both total battery output and individual cell voltage. More accurate than specific gravity.

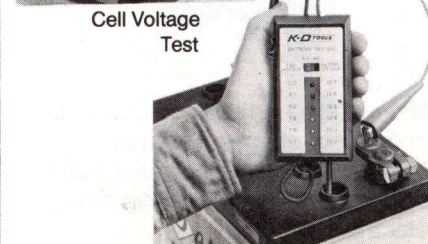
Quick, direct LED readings let you determine battery condition before recharging. Tests conventional & maintenance free batteries.

Readings within .1 volt indicate battery voltage; if voltage is low check each cell with the same .1 volt accuracy. Fluctuation of .2 volts or more indicates a bad cell.

These two simple tests are illustrated below.



Battery Voltage
Test



Cell Voltage
Test

Body and Chassis Tools

K-D 2403 MacPherson Strut Spring Compressor



Patented 4,009,867

Servicing MacPherson Strut Springs is a tough job where quality equals safety. The K-D 2403 provides that safety — safe containment of the coil spring — because of built in quality.

Heavy-duty compression plates support strut assembly, both above the top spring nest and below bottom spring nest. Self-locking spring loaded latches assure secure mounting of strut in tool.

Heat treated drive screws rotate on bearings for easy operation. Brackets are provided for bench mounting.

Shipped assembled for your safety.

K-D 2330 Door Handle and Window Crank Spring Installer



Skin Packed

Holds door handle and window crank spring firmly for quick and easy installations. Spring cannot fly off. Red plastic handle. A real time saver.

K-D 2333 Shock Absorber Wrench



Skin Packed

This tool is a must for the easy removal and installation of shock absorbers on most American cars. Special oval sockets fit over the end of the shock while the $\frac{9}{16}$ " hex socket tightens or loosens nut. Use with K-D #65 or $\frac{3}{4}$ ratchet wrench. Precision heat treated, red plastic hand grip.

K-D 2414 Steering Wheel Lock Plate Remover/Installer



Skin Packed

Removing the lock plate is a must to service turn signals, ignition switches and steering locks built into the steering column. Use this tool to depress the steering wheel lock plate, allowing easy removal and reassembly of the snap ring.

K-D 2516 Hinge Aligning Tool



Skin Packed

For springing deep or shallow well door, truck, and lid hinges. Get perfect aligning. Knurled non-slip surface prevents slippage.

K-D 2528 Coil Spring Compressor



Skin Packed

Remove and install coil springs quickly and safely. Designed for most passenger cars (except AMC) and pickup trucks. Use also for easy installation of coil spring spacers. Durable steel construction.

Brake and Wheel Tools

K-D 2222

Brake Bleeder Tank



New, compact diaphragm type brake bleeder. Fills and bleeds brakes in a single operation on both standard and power brake systems. Features safety pressure-release valve to protect the operator and to prevent damage to the diaphragm. Rigid handle unscrews and makes filling the bleeder easy. Shut-off valve at the quick disconnect coupler saves the loss of fluid and makes it convenient to use the unit as both a one-man bleeder or as a source of brake fluid for "topping off" master cylinders. 7 quart capacity with 10½ foot hose.

K-D 2324

Bonded Brake Lining Inspection Gauge



Skin Packed

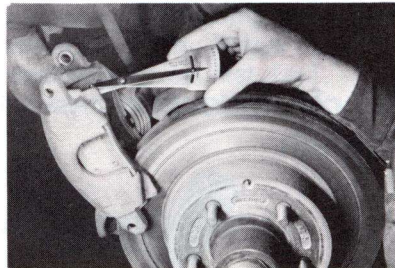
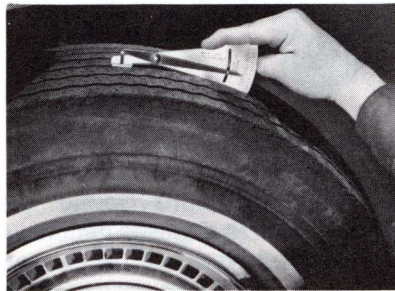
Accurately measures, in graduations of 1/64", the amount of lining remaining up to 1/2". Meets vehicle inspection code requirements. A must for inspecting truck, bus and passenger car brakes.

K-D 2326

Tire Tread and Riveted Brake Lining Gauge



Skin Packed
Patent Pending



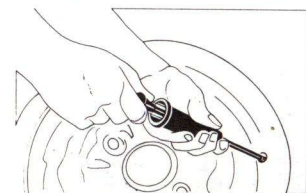
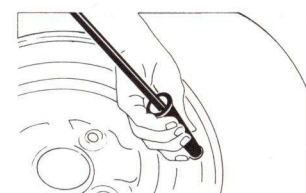
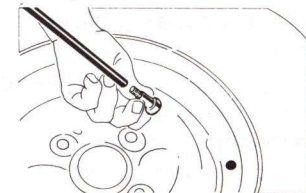
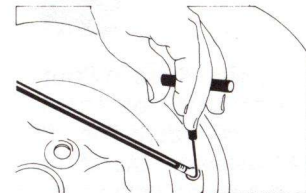
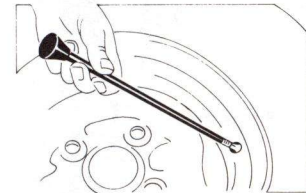
A two-in-one tool. Measures the amount of lining remaining over the rivet head of both drum and disc brake pads and tire tread depth up to 9/16", in graduations of 1/64". Meets state vehicle inspection code requirements and saves time by not having to completely remove the caliper from the rotor on disc brakes.

K-D 2335

Tubeless Tire Valve Stem Remover and Installer Kit



Patented 3,750,258

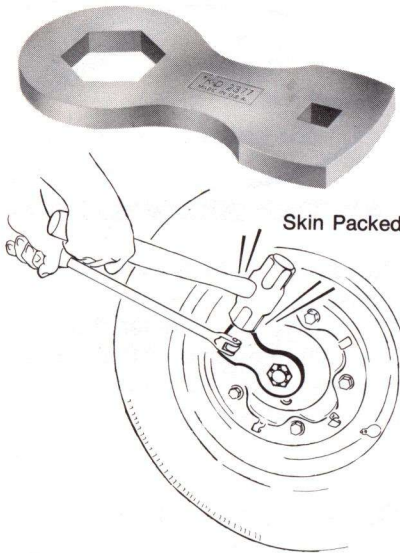


Removes and installs valve stems safely and quickly without removing tire.

Brake and Wheel Tools

SEE pages 100-106

K-D 2377 VW Axle Nut Wrench



Removes "frozen" VW axle nuts (36mm). Strike with hammer to break nuts free. A 1/2" square opening on the tool allows mechanic to use a ratchet drive or a breaker bar. Sturdy forged wrench is heat treated and plated.

K-D 2378 14mm VW Wheel Stud Kit

K-D 2379 12mm VW Wheel Stud Kit



Skin Packed

A necessity for changing VW wheels quickly and easily. Special wheel stud allows mechanic to hang wheel in position while lug bolts are inserted effortlessly, without damage to the threads. Hex drive rethreader tap repairs threads previously damaged. K-D 2378 and 2379 have applications on VW's as well as Mazda and Audi. 12mm kit applies to VW Beetles prior to 1972. 14mm kit applies to other VW models. Heat treated.

K-D 2399 Adjustable Bearing Race Driver



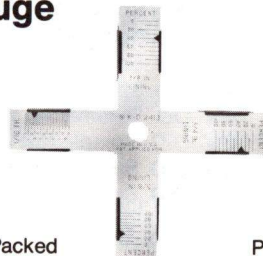
Makes installation of bearing races fast and easy. Tool is adjustable to handle entire range of bearing races from 1 7/16" to 2 7/16" (36mm to 62mm). Grips races for easy handling and eliminates possibility of chipping or deforming.

K-D 2402 Bendix Brake Tool



This economy tool is ideal for the home mechanic who does his own brake work. It removes and installs brake shoe springs quickly and easily.

K-D 2413 Truck Brake Lining Gauge



Skin Packed

Patented

Checks the percentage of original equipment thickness remaining on 5/8", 3/4", or 7/8" truck brake linings. Measures the lining remaining to 1/32".

Look for these NEW K-D TOOLS

Starting on page 100

Taps, Drills & Extractors

NEW



K-D 2584 Screw Extractor Set with drills

K-D 2603 Plug Tap Set

K-D 2604 Plug Tap Set

K-D 2605 Tap & Drill Set

K-D 2606 Tap & Drill Set

K-D 2607 Tap & Reamer Holder

Electronic Testers

NEW



K-D 2646 Circuit Tester 6 & 12 Volt

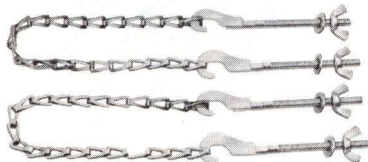
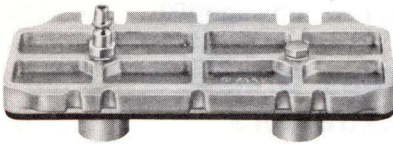
K-D 2647 Continuity Tester

K-D 2648 Circuit Tester 24 & 48 Volt

K-D 2649 Combination Circuit Tester 6 & 12 Volt/ Spark Plug

Brake and Wheel Tools

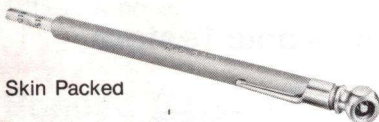
K-D 2417 Brake Bleeder Adaptor



Skin Packed

Fits on large dual master cylinders on some cars and light trucks. (Plate size 3-1/4" x 8-3/8") Plate made from aluminum alloy casting. Neoprene gasket cemented to plate prevents leakage. Chain fits around master cylinder and locks plate assembly while bleeding brakes. Use with K-D's 255 or 2222 brake bleeder tank.

K-D 2421 Tire Pressure Gauge



Skin Packed

Accurately measures tire pressure from 10 to 50 psi (1-3.5 Kg/Cm²) Easy-to-read black on white scale is enclosed in rust-proof metallic casing. Includes convenient pocket clip.

K-D Truck Spindle Nut Wrenches 2430 thru 2467

Each spindle nut wrench has a 3/4" square drive (with the exception of 2467 which has a 1/2" square drive) opening allowing use of a torque wrench to tighten the lock nut as recommended. Lock nut removal and installation is simple, even when the new Wide-rim wheels are involved. K-D spindle nut wrenches are made of high strength steel; Continued in next column

openings resist "rounding out". A full range of sizes is available with 6 pt. or 8 pt. openings.



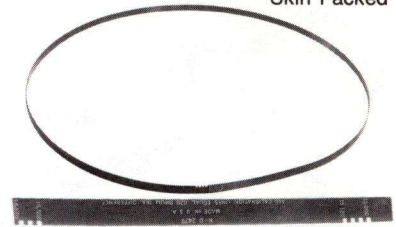
Skin Packed

K-D No.	Description
2430	2 3/32 Hex Spindle Nut Wrench
2431	2 1/4" Hex Spindle Nut Wrench
2432	2 3/8" Hex Spindle Nut Wrench
2433	2 3/8" Oct. Spindle Nut Wrench
2434	2 3/8" Rounded Hex Spindle Nut Wrench (Dana)
2435	2 1/2" Hex Spindle Nut Wrench
2436	2 9/16" Rounded Hex Spindle Nut Wrench (Dana)
2437	2 9/16" Hex Spindle Nut Wrench
2438	2 9/16" Oct. Spindle Nut Wrench
2439	2 5/8" Hex Spindle Nut Wrench
2440	2 3/4" Hex Spindle Nut Wrench
2441	2 3/4" Oct. Spindle Nut Wrench
2442	2 7/8" Hex Spindle Nut Wrench
2443	2 7/8" Oct. Spindle Nut Wrench
2444	3" Hex Spindle Nut Wrench
2445	3" Oct. Spindle Nut Wrench
2446	3 1/8" Hex Spindle Nut Wrench
2447	3 1/8" Oct. Spindle Nut Wrench
2448	3 1/4" Hex Spindle Nut Wrench
2449	3 1/4" Oct. Spindle Nut Wrench
2450	3 3/8" Oct. Spindle Nut Wrench
2451	3 1/2" Hex Spindle Nut Wrench
2452	3 1/2" Oct. Spindle Nut Wrench
2453	3 3/4" Oct. Spindle Nut Wrench
2454	3 3/4" Hex Spindle Nut Wrench
2455	3 13/16" Oct. Spindle Nut Wrench
2456	3 7/8" Hex Spindle Nut Wrench
2457	3 7/8" Oct. Spindle Nut Wrench
2458	4" Hex Spindle Nut Wrench
2459	4 1/8" Hex Spindle Nut Wrench
2460	4 3/8" Hex Spindle Nut Wrench
2461	4 3/8" Oct. Spindle Nut Wrench
2462	4 7/8" Hex Spindle Nut Wrench
2463	4 7/8" Oct. Spindle Nut Wrench
2464	2 5/8" O.D. Spindle Nut Wrench
2465	2 7/8" O.D. Spindle Nut Wrench
2466	3 5/8" O.D. Spindle Nut Wrench
2467	Spindle Nut Wrench-Four Wheel Drive



K-D 2475 Drum Gauge

Skin Packed



Flexible, graduated steel band measures the circumference on 15" and 16 1/2" diameter drums. The calibrated end of the gauge indicates drum wear diameters quickly and easily.

K-D 2476 Brake Lining Gauge



Skin Packed

Measures brake lining above rivet head. Checks for 1/16" minimum standard. Insert probe in bolt or rivet head recess and hold shank of gauge against lining and rotate the probe in recess. If probe contacts the bolt or rivet head, the lining is below 1/16".

These tools are designed to inspect drums and lining on air brake vehicles through the opening created by the removal of the dust shields.

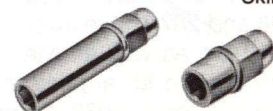
K-D Tap-A-Sockets™

Frees frozen brake bleeder valve screws or any other frozen bolts quickly, easily. Short sizes for recessed valves. Long sizes for flush mounted valves. Made from alloy steel, precision heat treated and plated.

Patent Pending Tap-A-Socket is a trademark of Polygon, Inc.

K-D 2509 1/4" Tap-A-Socket Set

Skin Packed



Includes one short and one long size

Brake and Wheel Tools

K-D 2510

5/16" Tap-A-Socket Set



Includes one short and one long size

K-D 2511

3/8" Tap-A-Socket Set



Includes one short and one long size

K-D 2512

7/16" Tap-A-Socket Set



Includes one short and one long size

K-D 2513

Tap-A-Socket Short Set



Includes 1 each: 1/4", 5/16", 3/8" and 7/16" short sockets.

K-D 2514

Tap-A-Socket Long Set



Includes 1 each: 1/4", 5/16", 3/8", and 7/16" long sockets.

K-D 2515

Tap-A-Socket Short/Long Set



Includes 1 ea. 1/4", 5/16", 3/8" and 7/16" short sockets
1 ea. 1/4", 5/16", 3/8", and 7/16" long sockets

K-D 2538

One-Man Brake Bleeder



Skin Packed

Two special adaptors fit most bleeder screw sizes. Adaptors are designed to prevent leaking and prevent the bleeder hose from popping off when pressure is applied. Air bubbles are visible through the clear plastic hose. The check valve at the end of the hose prevents brake fluid from escaping the system when no brake pedal pressure is applied.

K-D 2544

Economy Brake Cylinder Hone



Skin Packed

This low cost tool is ideal for the do-it-yourself mechanic. Hones wheel cylinders and some master cylinders. Stones are same as used on K-D No. 265. For replacement of stones use K-D No. 266 Replacement Stone Set.

Engine Tools

K-D 2336

PCV Valve Tester

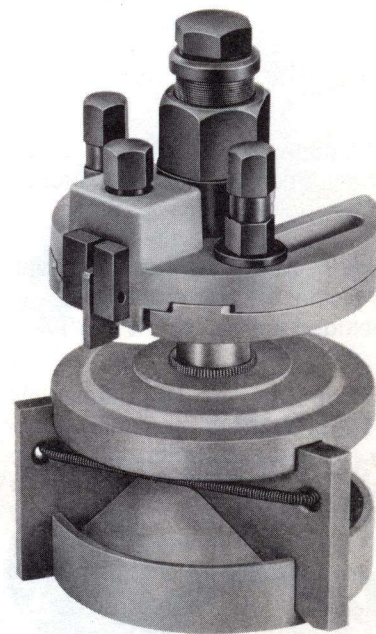


Skin Packed

A quick, easy check for PCV valve performance. Just hold tester over breather cap opening with engine running. If ball moves to top of tube, PCV valve needs to be cleaned or replaced. For professional or do-it-yourselfer.

K-D 2389

Ridge Reamer



Skin Packed

For modern engines with bores 3" to 5". Special tungsten carbide cutters and fine-thread feed-up insure smooth cutting action. Unique three-position setting of the spring-loaded cutter head allows changing from one cylinder to another without readjusting.

Engine Tools

Filter Wrenches and Tools

K-D 2428 Compression Tester



Skin Packed

For 14mm and 18mm spark plug holes. Detects various cylinder and cylinder related problems. Calibrated 0-300 psi and 0-20 Kg/Sec. Special slide valve allows easy removal of air from assembly. 12" rubber hose. Includes 14mm and 18mm adaptors.

K-D 2477 Piston Ring Groove Cleaner



Skin Packed

All 5 cutter sizes on 1 easy-to-set wheel. Special adjustable ratchet action holder secures piston in position during cleaning. Spring release for quick removal of piston. Cutter blade sizes included are $\frac{5}{64}$ ", $\frac{3}{32}$ ", $\frac{1}{8}$ ", $\frac{5}{32}$ ", $\frac{3}{16}$ ".

K-D 2521 Fuel Pump Vacuum and Pressure Tester



Skin Packed

Check for leaky valves, timing, fuel pump vacuum and pressure, gas line leakage, etc. Graduated,

easy-to-read gauge with 3' of quality rubber hose and vacuum fitting. Dial indicates to 30 inch vacuum and $6\frac{1}{4}$ pounds pressure. Complete operating instructions included.

K-D 2523 Compression Tester



Skin Packed

Checks valves, rings, pistons, gaskets. Large $2\frac{1}{2}$ " diameter dial is graduated 0-300 lbs. Offset stem has rubber cone type universal fitting that seats in all spark plug holes.

K-D 2539 Carburetor & Distributor Adjusting Tool



Skin Packed

Non-slip hooded screw driver adaptor easily reaches and adjusts carburetor mixture and idle where obstructions hamper access. The $\frac{1}{8}$ " hex bit is for Delco-Remy external distributor adjustments. Constructed of "non-Kink" flexible shaft and shock resistant plastic.

K-D 2380 Square Drive Oil Filter Wrench for Imports



Skin Packed

Removes small oil filters in tight areas. Positive action grip provides leverage exceeding normal requirements so that 71mm and 79mm filters are easily removed without puncturing or crushing. Use with $\frac{3}{8}$ " square drive wrench.

K-D 2394 Adjustable Oil Filter Wrench



Skin Packed

Adjustable 3-position wrench removes twist-on oil filters from $3\frac{1}{16}$ " to $3\frac{3}{4}$ " dia. (78mm to 95mm dia.) Easy "how-to-do-it" instructions included for the home mechanic. Plastic hand grip prevents hands from slipping.

Hones

K-D 2480 thru 2493 Flex-Hones™

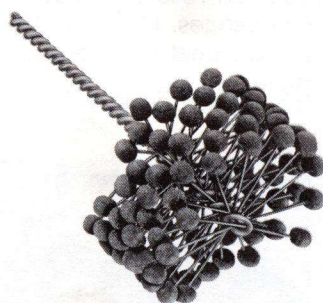
There is a Flex-hone™ to meet just about any honing requirement — including brake, disc brake and engine cylinder applications. They're fast, efficient, unbreakable — outlast at least three sets of stones, hone life is in excess of 1,000 cylinders. No set up is required. Use standard 3/8" electric hand drill. Each Flex-hone size works down to the next smaller size. Produces a plateaued finish with a perfect cross-hatch for fast ring seating and oil retention for longer engine life.

Brake Cylinder hones Skin Packed K-D Flex-Hones are available in U.S.A. & Canada only.
Engine Cylinder hones Packed in Plastic Bag.



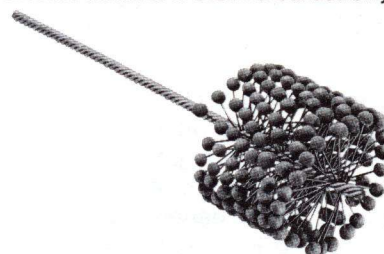
Brake Cylinders (8" OAL)

K-D	Size	Recommended Minimum Working Dia.	Grit
2720	14 mm (.552")	12 mm (.472")	180
2721	16 mm (.630")	14 mm (.552")	180
2722	18 mm (.709")	16 mm (.630")	180
2723	20 mm (.787")	18 mm (.709")	180
2480	7/8" (22mm)	20 mm (.787")	180
2481	1" (25mm)	7/8" (22mm)	180
2482	1-1/8" (29mm)	1" (25mm)	180
2483	1-3/8" (35mm)	1-1/8" (29mm)	180
2724	1-5/8" (41mm)	1-3/8" (35mm)	180
2725	2" (51mm)	1-5/8" (41mm)	180



Disc Brakes (5" OAL)

K-D	Size	Recommended Minimum Working Dia.	Grit
2726	1-3/4" (45mm)	1-1/2" (38mm)	180
2727	2-1/8" (54mm)	1-3/4" (45mm)	180
2484	2-1/2" (64mm)	2-1/8" (54mm)	180
2728	2-3/4" (70mm)	2-1/2" (64mm)	180
2485	3-1/8" (79mm)	2-3/4" (70mm)	180
2729	Kit (5 above)		180



Standard Duty for Block Cylinders (12" OAL)

K-D	Size	Recommended Minimum Working Dia.	Grit
2730	3-1/4" (83mm)	3" (76mm)	120
2486	3-1/2" (89mm)	3-1/4" (83mm)	120
2487	3-3/4" (95mm)	3-1/2" (89mm)	120
2488	4-1/8" (105mm)	3-3/4" (95mm)	120
2731	4-5/8" (118mm)	4-1/8" (105mm)	120



Heavy Duty for Cylinders or Liners 3-1/2" thru 5" dia. are 12" OAL Bal. 17-1/2" OAL

K-D	Size	Recommended Minimum Working Dia.	Grit
2489	3" (76mm)	2-3/4" (70mm)	120
2490	3-1/4" (82mm)	3" (76mm)	120
2491	3-1/2" (89mm)	3" (76mm)	120
2492	4" (101mm)	3-1/2" (89mm)	120
2493	4-1/2" (114mm)	4" (101mm)	120
2732	5" (127mm)	4-1/2" (114mm)	120
2733	5-1/2" (140mm)	5" (127mm)	120
2734	6" (152mm)	5-1/2" (140mm)	120
2735	6-1/2" (165mm)	6" (152mm)	120
2736	7" (178mm)	6-1/2" (165mm)	120
2737	7-1/2" (190mm)	7" (178mm)	120
2738	8" (203mm)	7-1/2" (190mm)	120

Ignition and Electrical Tools

K-D 2327 Wide-Gap Spark Plug Gauge and Electrode Adjuster



Skin Packed

Gauge sizes include: .080", .060", .054", .044", .035", .050".
Adjuster is heat treated.

K-D 2412 Wire Holder



Skin Packed
Patented 235,850

Holds spark plug wires in proper order. Eliminate the chance of connecting spark plug wires to wrong terminals when changing the distributor cap or spark plug. Each wire location is numbered to correspond with the appropriate wire connector. Constructed of durable rubber for years of service.

Ignition and Electrical Tools

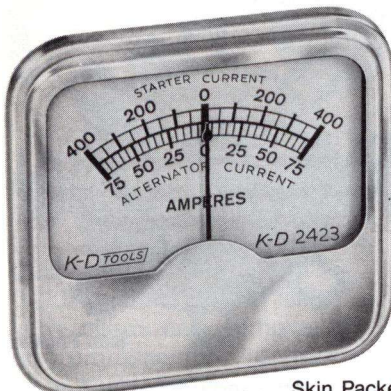
Miscellaneous Tools

K-D 2423

2-in-1

Current Indicator

For 6V, 12V and 24V Systems

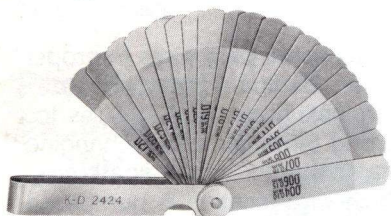


Skin Packed

Measures both alternator and starter DC current and indicates direction of current flow without breaking into lines. Just hang meter on wire. Gauge is color coded to correspond with alternator and starter current readings. High visibility gauge provides quick, accurate measurements. Compact design for tight operating conditions. Heavy-duty construction for years of trouble-free operation. Starter current scale: 600-0-600. Alternator current scale: 100-0-100.

K-D 2424

Go-No-Go Feeler Gauge



Skin Packed

Prevent errors while doing ignition point setting or tappet adjusting. Gauge includes 22 rust-resistant blades ranging from .004" to .027" (.10mm to .69mm) with a .002" step ground on each blade for precise settings.

K-D 2524

Short Circuit Detector

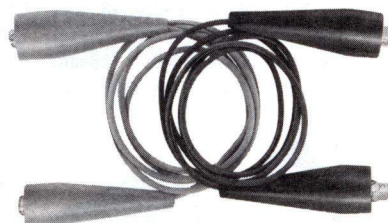


Skin Packed

Locate short circuits in 6 and 12 volt circuits without removing upholstery, body panels, etc. Operates through metal door posts, rocker panels, upholstery. Packaged in a neat plastic case with easy-to-follow instructions included.

K-D 2525

Test Lead Kit

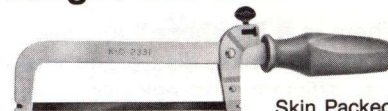


Skin Packed

2-36" jumper leads — 18 gauge stranded wire in heavy plastic insulation (one red and one black). Each clip is equipped with heavy shock resistant hood.

K-D 2331

Midget Hacksaw



Skin Packed

Saws in places impossible to reach with larger frames. Streamlined all steel frame with quick blade change feature. Six inch blade included. Red plastic handle. Overall length 10 1/4".

K-D 2332

Precision Tubing Cutter



Skin Packed

Cuts copper, aluminum, steel, brass and plastic up to 1" O.D. Special design requires very little torque on adjusting while making cut. Two rollers provide burr-free, square cut. Special recesses on rollers precisely remove flanges. Ideal tool for the professional and do-it-yourselfer.

K-D 2337

"Kreepers Kastors"



Skin Packed

Packaged two to a skin pack card, these 2 3/4" tough nylon wheels will replace worn or broken casters on most models of creepers.

Miscellaneous Tools

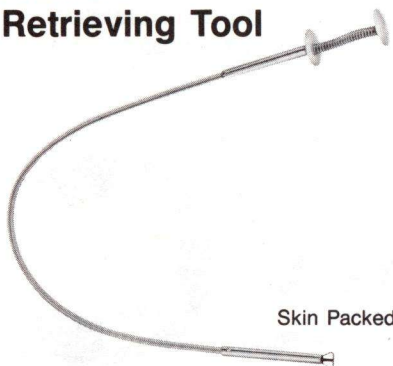
K-D 2338 Hacksaw Blade Handle



Skin Packed

Saws in tight areas where conventional hacksaws cannot reach. Features heavy-duty all steel construction with quick blade change feature. Includes quality ten-inch blade. Overall length 10½".

K-D 2391 Flexible Retrieving Tool



Skin Packed

Retrieves dropped parts in hard to reach places. Just push button to open claws. Release to grab. 23" long, four claws open to ¾".

K-D 2418 High Speed Drill Set



Skin Packed

This high quality twist drill set includes 13 drill sizes and a convenient center punch. Sizes range from 1/16" to 1/4" in 1/64" increments. Plastic snap-in box is included with each set for storage.

K-D 2419 Spiral Screw Extractor Kit



For removal of broken studs, set screws pipe and alemite fittings. Complete information on bolt size and drill size is included. Ideal for the professional mechanic. Packed in plastic storage kit.

Screw, Bolt or Stud Size	Drill Size
9/16" to 1/4"	17/64"
7/16" to 9/16"	1/4"
5/16" to 7/16"	5/32"
No. 12 to 5/16"	7/64"

K-D 2422 Air Blow Gun



Skin Packed

Heavy-duty design proves a controlled 30 psi rating @ 100 psi inlet. Special nozzle generates highly effective air flow pattern. Features thumb pressure control and hang-up hook. Manufactured to OSHA safety requirements.

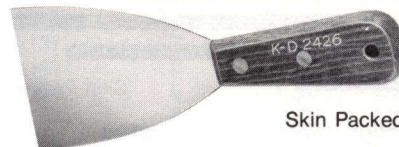
K-D 2425 1¼" Chisel Scraper



Skin Packed

Hard temper steel blade ground to bright finish. Hardwood handle. Ideal for a wide variety of applications around the shop and home.

K-D 2426 3" Putty Scraper (Flexible Blade)



Skin Packed

Features ground mirror finish blade and hardwood handle. Ideal for a wide variety of applications around the shop and home.

K-D 2427 Scratch Awl



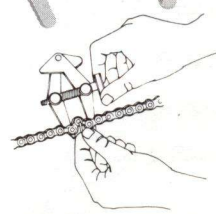
Skin Packed

Use this tool for piercing, enlarging holes, scribing and aligning work. High-strength hardened steel point for long service life. 8" long 5/16" dia. shaft.

K-D 2429 Chain Link Connector



Skin Packed

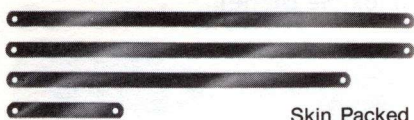


Makes roller chain repair a pleasure not a chore. Knurled knob provides quick turn action to relieve chain tension which allows fast and easy replacement of chain links. Won't slip out. Use on #35-60 roller chain.

Miscellaneous Tools

K-D 2478

Hacksaw Blades Set



Skin Packed

High quality, heat treated "Flex-tung" blades for fast cutting action. Includes two 12" blades, one 10" blade and one 3" blade.

K-D 2479

All Purpose Midget Hacksaw Blades



Skin Packed

Sharp, fast cutting teeth cut just about anything including wood, metal, plastic. Two high-quality 6" fine tooth blades.

K-D 2517

Economy Tubing Bender



Skin Packed

This low priced tool is designed with four different groove supports to prevent tubing collapse, whether bending 3/16", 1/4", 5/16" or 3/8" tubing. All metal construction provides a kink-free bend every time. Ideal for do-it-yourselfer.

K-D 2520

Vibro Engraver



Skin Packed

Engraves on metal, plastic, wood, glass, most hard surfaces. Permanently identifies and protects your valuables. Variable speed knob controls depth and width of the engraving. Operates on 110 volt electric current, on/off switch is designed into the engraver for added convenience. Carbide tipped engraving point is replaceable. A great tool for around the home or shop.

K-D 2522

6" Stainless Steel Rule



Skin Packed

This handy pocket rule is equipped with a sliding "T" stop which allows fast measurements with a stationary indicator reading. The sliding "T" permits accurate measurements in blind areas, or use as a depth gauge. Front is graduated in 32nds and 64ths with a decimal equivalent on the reverse side. Convenient pocket clip.

K-D 2527

4" Stainless Steel Pocket Slide Caliper



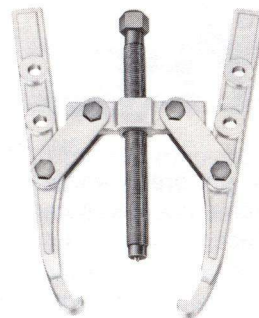
Skin Packed

Handy measuring device for mechanics, servicemen, hobbyist and home craftsmen who need quick and easy inside and outside measurements. Front reads in 16th and 32nds; back has decimal equivalents. All are permanently etched on stainless steel.

Pullers

K-D 2541

10" Two Jaw Puller



Packed in Box

Drop forged jaws and yokes. Buttress threaded center screws. Made from alloy steel and precision heat treated for maximum strength and durability. Adjustable, 10" spread. 9" Reach.

SNAP RINGS



E-Rings

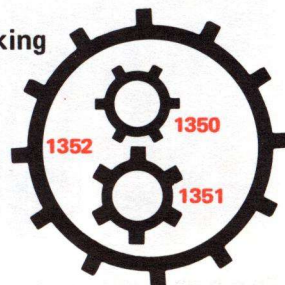


Reinforced E-Rings

Crescent-type External Rings



Self-Locking Internal Rings



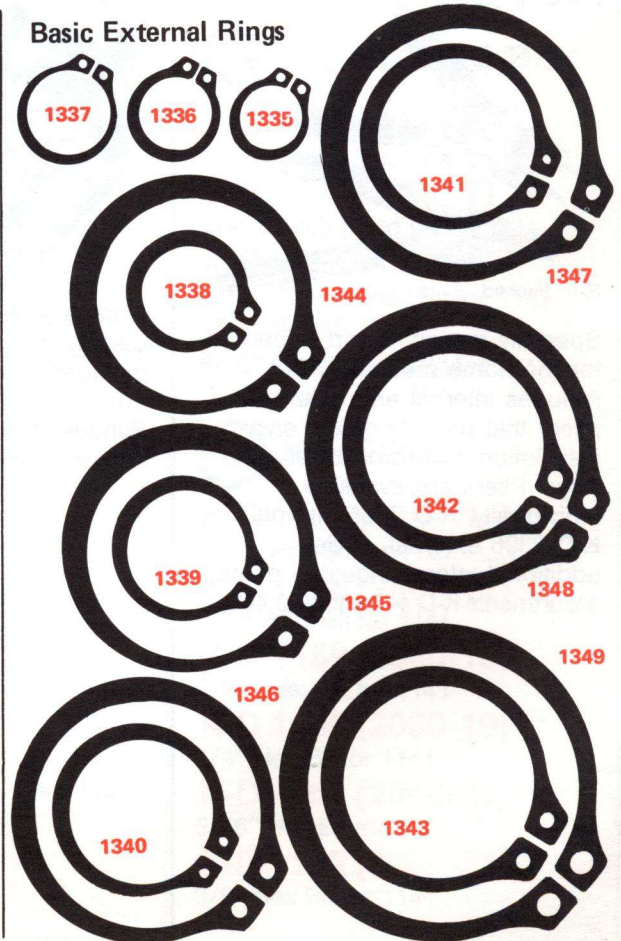
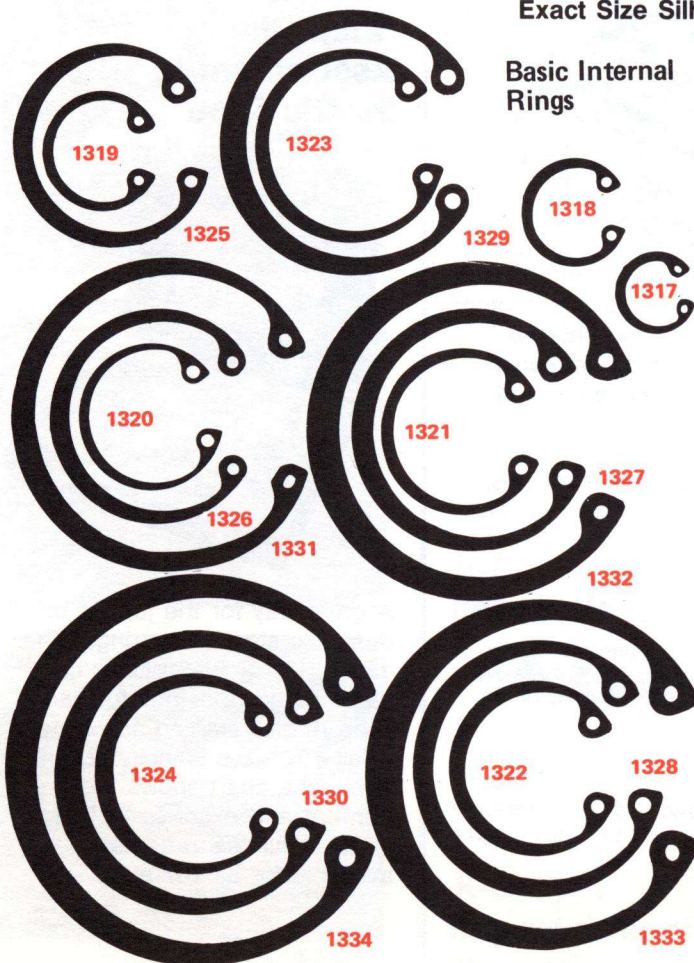
Snap Ring and Snap Ring Tools

Specifications given in following table.

Reference Page 44 & 45 of K-D's Main Catalog No. 74 and Find 52 additional sizes.

K-D Number	Description and Ring Number	Std. Pkg.	Shaft Diameter	Housing Diameter	Free Diameter	K-D Number	Description and Ring Number	Std. Pkg.	Shaft Diameter	Housing Diameter	Free Diameter
1300	E-Ring-6	20	.062		.051	1328	Basic Internal Ring-X118	10		1.181	1.319
1301	E-Ring-9	20	.093		.073	1329	Basic Internal Ring-X122	10		1.218	1.344
1302	E-Ring-X9	20	.093		.069	1330	Basic Internal Ring-X131	7		1.312	1.456
1303	E-Ring-14	20	.140		.102	1331	Basic Internal Ring-X143	8		1.438	1.596
1304	E-Ring-16	20	.187		.122	1332	Basic Internal Ring-X156	6		1.562	1.734
1305	E-Ring-X17	20	.171		.125	1333	Basic Internal Ring-X162	6		1.625	1.804
1306	E-Ring-75	15	.750		.574	1334	Basic Internal Ring-X181	4		1.812	2.012
1307	Reinforced E-Ring-9	20	.093		.072	1335	Basic External Ring-37	20	.375		.338
1308	Reinforced E-Ring-12	20	.125		.093	1336	Basic External Ring-43	20	.438		.395
1309	Reinforced E-Ring-15	20	.156		.113	1337	Basic External Ring-46	8	.469		.428
1310	Reinforced E-Ring-18	20	.187		.143	1338	Basic External Ring-56	8	.562		.521
1311	Reinforced E-Ring-21	20	.219		.182	1339	Basic External Ring-66	25	.669		.621
1312	Reinforced E-Ring-50	15	.500		.385	1340	Basic External Ring-81	12	.812		.751
1313	Crescent-Type External Ring-18	12	.187		.161	1341	Basic External Ring-87	12	.875		.810
1314	Crescent-Type External Ring-25	20	.250		.211	1342	Basic External Ring-100	12	1.000		.925
1315	Crescent-Type External Ring-43	15	.437		.386	1343	Basic External Ring-106	10	1.062		.982
1316	Crescent-Type External Ring-75	15	.750		.665	1344	Basic External Ring-112	10	1.125		1.041
1317	Basic Internal Ring-X37	12		.375	.415	1345	Basic External Ring-118	10	1.188		1.098
1318	Basic Internal Ring-X51	25		.512	.560	1346	Basic External Ring-125	10	1.250		1.156
1319	Basic Internal Ring-X56	25		.562	.620	1347	Basic External Ring-131	8	1.312		1.214
1320	Basic Internal Ring-X68	12		.688	.763	1348	Basic External Ring-137	8	1.375		1.272
1321	Basic Internal Ring-X77	20		.777	.859	1349	Basic External Ring-150	8	1.500		1.387
1322	Basic Internal Ring-X81	12		.812	.901	1350	Self Locking Internal Ring-43	30		.437	
1323	Basic Internal Ring-X90	14		.901	1.000	1351	Self Locking Internal Ring-50	30		.500	
1324	Basic Internal Ring-X92	14		.920	1.020	1352	Self Locking Internal Ring-143	8		1.437	
1325	Basic Internal Ring-X93	14		.938	1.041	1353	Heavy Duty Basic External Ring-47	10			.437
1326	Basic Internal Ring-X97	14		.970	1.100	1354	Heavy Duty Basic External Ring-66	8			.615
1327	Basic Internal Ring-X112	8		1.125	1.249						

Exact Size Silhouettes



Snap Ring and Snap Ring Tools

K-D 2395 Internal Snap Ring Pliers



Skin Packed

K-D 2396 External Snap Ring Pliers



Skin Packed

K-D 2397 Snap Ring Pliers Set



Skin Packed

Specially designed and priced for the home mechanic. Set includes internal and external pliers that provide quick, easy installation and removal of snap rings. Pliers are available individually. K-D 2395 internal, K-D 2396 external. Order additional interchangeable point assortments K-D 447 and K-D 448.

K-D 2534 Lock Ring Pliers



Skin Packed

Designed to spread snap rings used on brakes, transmissions, pedal shafts and clutch shafts. Can also be used to spread piston rings. Scored jaws hold rings securely. Made from alloy steel and precision heat treated. 8¾" long.

K-D 2548 Snap Ring Counter Merchandiser



Complete self-selling counter display and stocking container includes one package each of 107 sizes of snap rings. Silhouette chart shows the number and exact size of all rings.

K-D 2549 Snap Ring Counter Merchandiser



Complete self-selling counter display and stocking container includes one package each of 55 new sizes of snap rings. Silhouette chart shows the number and exact size of all rings.

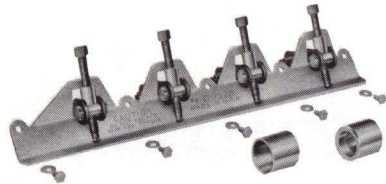
K-D 2550 Snap Ring Assortment in Plastic Case



A great way for the jobber or dealer to stock snap rings. The 18" x 13" x 2½" plastic case has molded openings for each snap ring. A starting assortment of all 107 sizes is included. Silhouette chart shows the number and exact size of all rings. Refill assortments available for all 107 sizes.

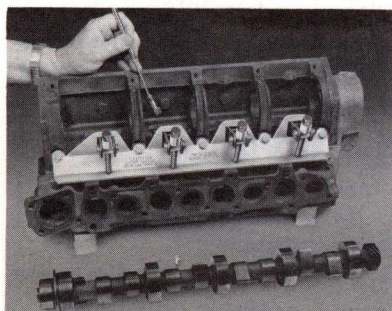
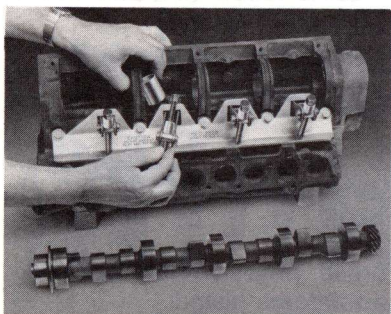
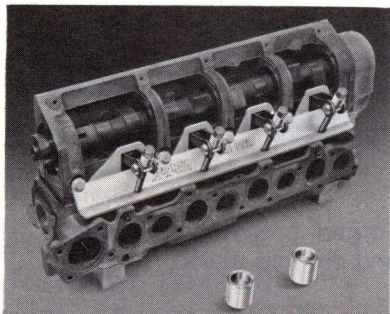
Valve Tools

K-D 2328 Vega Camshaft and Valve Tool



Skin Packed

Any mechanic who has tried to perform valve work on a Vega engine will appreciate this tool. It's practically impossible to remove the camshaft without it. Tool comes complete with camshaft remover and installer, five mounting bolts with washers and two valve spring compressor adaptors. Pivoting levers and screws are heat treated for long life.



K-D 2340 Vega Valve Spring Compressor Adapter



Skin Packed

Must be used with K-D 2328 Vega Camshaft and Valve tool and adapter sleeve.

K-D 2400 Valve Spring Compressor



Skin Packed

A totally new adjustable valve spring compressor makes it possible to service Datsun, Pinto, Capri and all GM, Ford and Chrysler engines with one tool. Adjustable hooks engage under rocker arm or rocker arm studs using the mounting bracket supplied. Jaws adjust in and out to fit over valve spring retaining washer.

K-D 1140 Impact Wrench Kit



Packed with 4 bits K-D Nos. 1143, 1144, 1146, 1149.

K-D 1141 Impact Wrench

Wrench only — pictured above

Wrenches, Screwdrivers and Pliers

Bits available for the 1141 (2060) Impact Driver. Fit a 5/16" Hex Bit Socket.

Phillips Bits

K-D 1142 (2060-1)

No. 1 Phillips Bit for 1141

K-D 1143 (2060-2)

No. 2 Phillips Bit for 1141

K-D 1144 (2060-3)

No. 3 Phillips Bit for 1141

K-D 1145 (2060-4)

No. 4 Phillips Bit for 1141

Wide Slotted Bits

K-D 1146 (2060-5)

5/16" Wide Slotted Bit for 1141

K-D 1149 (2060-8)

9/32" Wide Slotted Bit for 1141

K-D 1154 (2060-13)

1/2" Wide Slotted Bit for 1141

Clutch Head Bits

K-D 1147 (2060-6)

5/32" Clutch Head Bit for 1141

K-D 1148 (2060-7)

1/4" Clutch Head Bit for 1141

K-D 1155 (1141-14)

3/16" Clutch Head Bit for 1141

K-D 1156 (2060-15)

5/16" Clutch Head Bit for 1141

Hex Bits

K-D 1157 (2060-16)

5/32" Hex Bit for 1141

K-D 1158 (2060-17)

3/16" Hex Bit for 1141

K-D 1159 (2060-18)

7/32" Hex Bit for 1141

K-D 1160 (2060-19)

1/4" Hex Bit for 1141

K-D 1161 (2060-20)

5/16" Hex Bit for 1141

K-D 1162 (2060-21)

3/8" Hex Bit for 1141

Bits continued on next page

Wrenches, Screwdrivers and Pliers



Pozidrive Bits

K-D 1164 (2060-23)

No. 1 Pozidrive Scr. Bit for 1141

K-D 1165 (2060-24)

No. 2 Pozidrive Scr. Bit for 1141

K-D 1166 (2060-25)

No. 3 Pozidrive Scr. Bit for 1141

K-D 1167 (2060-26)

No. 4 Pozidrive Scr. Bit for 1141



Reed & Prince Bits

K-D 1168 (2060-27)

No. 5 Small Reed for 1141

K-D 1169 (2060-28)

No. 5 Small Reed & Prince for 1141

K-D 1170 (2060-29)

No. 6 Large Reed & Prince for 1141

K-D 2356

Metric Reversible Ratchet Wrench



Skin Packed

4 sizes in one wrench. (6mm, 7mm, 8mm, 9mm) Each end has 2 sizes and will accommodate both 6-point and 12-point nuts and bolts. Precision heat-treated alloy steel ratchets.

K-D 2357

Metric Reversible Ratchet Wrench



Skin Packed

4 sizes in one wrench. (10mm, 11mm, 12mm, 13mm) Each end has 2 sizes and will accommodate both 6-point and 12-point nuts and bolts. Precision heat-treated alloy steel ratchets.

K-D 2358

Metric Reversible Ratchet Wrench



Skin Packed

4 sizes in one wrench. (14mm, 15mm, 16mm, 17mm) Each end has 2 sizes and will accommodate both 6-point and 12-point nuts and bolts. Precision heat-treated alloy steel ratchets.

K-D 2359

Metric Reversible Ratchet Wrench

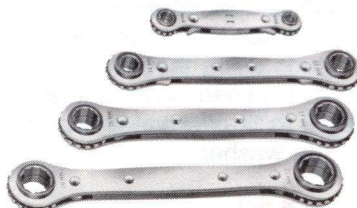


Skin Packed

4 sizes in one wrench. (18mm, 19mm, 20mm, 21mm) Each end has 2 sizes and will accommodate both 6-point and 12-point nuts and bolts. Precision heat-treated alloy steel ratchets.

K-D 2362

Metric Reversible Four-In-One Ratchet Wrench Set



Skin Packed

Set includes four individual, four-in-one, metric reversible ratchet wrenches providing sixteen metric sizes from 6mm through 21mm. Each ratchet handles two metric sizes. Tools have 12-point openings which accommodate both 6-point and 12-point nuts and bolts. Wrenches also available individually. Precision heat-treated alloy steel ratchets.

K-D 2370

Metric Wrenches and Ignition Tune-Up Kit

Packed in handy plastic box



Ideal for ignition tune up on imports and some American made cars, kit includes seven double end metric size wrenches, 5mm to 12mm, ignition file, magnetic screw starter and seven blade metric feeler gauge. Packed in handy plastic kit, wrenches are precision heat treated and chrome plated.

K-D 2372

(11mm-12mm) Double End Flare Nut Wrench



Skin Packed

Forged, precision heat treated, and chrome plated

K-D 2373

(13mm-14mm) Double End Flare Nut Wrench



Skin Packed

Forged, precision heat treated, and chrome plated

K-D 2374

(15mm-17mm) Double End Flare Nut Wrench



Skin Packed

Forged, precision heat treated, and chrome plated

Wrenches, Screwdrivers and Pliers

K-D 2375 (19mm-21mm) Double End Flare Nut Wrench



Skin Packed

Forged, precision heat treated, and chrome plated

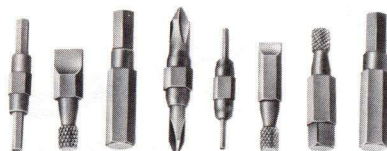
K-D 2376 Metric Flare Nut Wrench Set



Skin Packed

Set includes three double end flare nut wrenches. Ideal for flare nuts on imported cars, some U.S. cars, as well as on air conditioning line connections. Forged from alloy steel, precision heat treated and chrome plated.

K-D 2381 Reversible Ratchet Wrench with Metric Hex Bits



Skin Packed

Set includes 3 7/8" ratchet wrench and eight bits. Four double-end metric hex bits provide eight sizes from 2mm to 8mm. Also included are two slotted bits and one double-end Phillips bit, plus 1/4" square drive bit. Ideal for working in confined areas.

K-D 2382 Metric Hex Bit and Holder Set



Skin Packed in plastic box.

Allows extra torque to be applied to tight fitting metric hex head screws. Set includes five metric hexagon bits ranging from 3mm thru 8mm. Can be used with K-D 1141) 2060 Impact Driver or a 3/8" square drive ratchet wrench.

K-D 2383 Metric Impact Tool Kit



Packed in heavy duty plastic box.

Loosens screws and bolts even when rusted or wedged tight. Includes 3/8" square drive 5/16" hex bit socket, #2 Phillips bit, 5/16" wide slotted bit and 4mm-8mm hex bits. Reversible action tightens screws and bolts.

K-D 2518 Ratchet Knob



Skin Packed

A handy tool for tightening or loosening screws and bolts quickly and easily, especially in tight operating conditions. Ratchet Action is reversible. Use with 3/8" square drive socket or K-D No. 2061 - 5/16" hex bit socket.

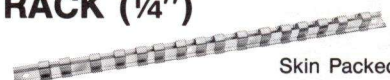
K-D 2519 Ratchet Knob Set



Skin Packed

Fast action hand grip for tightening or loosening screws and bolts quickly, easily. Ratchet operation is reversible. Ideal for tight working conditions. Kit includes the ratchet knob, a screw bit holder, a 5/16" slotted screwdriver bit, and a #2 Phillips bit. The ratchet knob features a 3/8" drive for use with sockets.

K-D 2530 SOCKET HOLDER RACK (1/4")



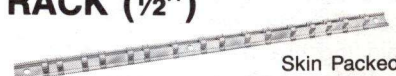
Skin Packed

K-D 2531 SOCKET HOLDER RACK (3/8")



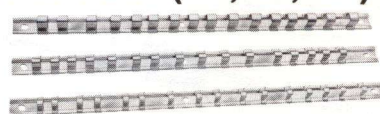
Skin Packed

K-D 2532 SOCKET HOLDER RACK (1/2")



Skin Packed

K-D 2533 SOCKET HOLDER RACK SET (1/4", 3/8", 1/2")



Skin Packed

Now sockets can be stored in a neat, orderly fashion. Mount these convenient, all metal constructed storage racks on the wall or in a tool box. Each holder accommodates 16 sockets on clips which slide back and forth on the mounting rail.

Clutch, Transmission and Differential Tools

K-D 2329

Datsun Differential and Transmission Drain Plug Wrench



Skin Packed

One tool handles all Datsun transmission and differential filler and drain plugs. Wrench includes openings for 14mm and 17mm Datsun transmission plugs plus a 13mm square drive for Datsun differentials. Precision heat treated and zinc plated.

K-D 2392

Chrysler Transmission Seal Remover and Installer



Skin Packed

Removes and installs transmission shift selector shaft seal without draining fluid. Worn seals can be removed by screwing cone shaped threads into seal and tightening the remover screw. Install new seals by placing the installer over the selector shaft and tapping with hammer.

K-D 2393

GM Transmission Seal Remover and Installer



Skin Packed

Removes and installs transmission shift selector shaft seal without draining fluid. Worn seals can be removed by screwing cone shaped threads into seal and tightening the remover screw. Install new seals by placing the installer over the selector shaft and tapping with hammer.

K-D 2398

Transmission Clutch Spring Compressor



Patented 4,031,603

Now, only this tool is needed to remove clutch piston snap rings from GM, Ford and Toyota transmissions. A simple snap-in and compression procedure permits removal and installation of snap rings. The center shaft in the clutch assembly no longer must be pressed out to remove the snap ring and piston.

K-D 2420

Clutch Aligning Set 2-in-1



Packed in plastic kit.

Allows fast and easy alignment of single disc clutches on American and Foreign cars, light trucks and tractors.

Set includes shaft and 7 pilot bearing adaptors: 3 zinc plated adaptors for foreign cars (and some American cars) and 4 black adaptors for American cars. Plate aligning cone with 1 1/8" dia- taper allows "automatic" fit of most clutch plates.

Torque Wrenches

K-D Micrometer Adjustable Torque Wrenches solve the most rugged, precise tightening problems with dependability every time. They're engineered to give you the torque you need. When you need it. Every time. K-D micrometer adjustable torque wrenches are manufactured from the highest quality materials. Critical parts are hardened and tempered to provide long service life characteristics, dependability, and, most important, precision. Bright chrome plating prevents rust. Heart of K-D's micrometer type torque wrenches is in the precision handle. Just pull it out and turn to the desired torque setting. Push it in to lock. Tighten bolt. When required torque is reached, the wrench emits a "click" which the operator both hears and feels alerting him to stop tightening.

K-D 2384 Micrometer Adjustable Torque Wrench



30 to 250 in./lbs. 4-27.0 (N·m)
Length: 12 1/8" Drive: 3/8"

K-D 2385 Micrometer Torque Wrench



10 to 100 ft./lbs. 16.9-132.1 (N·m)
Length: 15-3/8" Drive: 1/2"

K-D 2386 Micrometer Adjustable Wrench



30 to 250 ft./lbs. 47.4-332.1 (N·m)
Length: 19 1/2" Drive: 1/2"

K-D 2401 Special heavy duty micrometer adjustable torque wrench available. 100 to 600 ft./lbs. 169.5-779.5 (N·m)
Length: 42" Drive: 3/4"



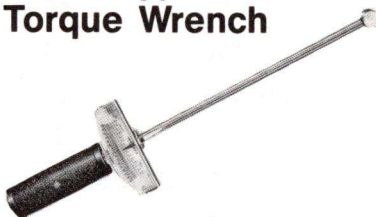
For some torque problems, your answer is a **K-D Beam Type Torque Wrench**. K-D beam type torque wrenches give you the torque you need, accurate within 2%. Inertia welded beam-to-head construction prevents loosening of beam and loss of wrench accuracy. Small 7/8" head diameter assures easy access where other beam wrenches will not fit. Torque either clockwise or counter-clockwise. Wrenches constructed of high quality materials. Chrome plated head and body prevents rust. Impact-resistant, pivoted Cycloc handle for long life and accuracy. Easy direct reading chart in English and metric scales for flexibility.

K-D 2387 Beam Type Torque Wrench



300-0-300 in./lb. 0-35.0 (N·m)
Length: 16" Drive: 3/8"

K-D 2388 Beam Type Torque Wrench



150-0-150 ft./lb. 0-200.0 (N·m)
Length: 19" Drive: 1/2"

K-D Precision Dial Torque Wrenches

They feature follower needle dials or electric signal dials equally accurate in both left and right hand torque. Calibrations certified and traceable to National Bureau of Standards. Engineered to meet and exceed requirements of GGG-W-686c. Exclusive patented torque beam design provides long life and accuracy.

K-D 2555 Precision Dial Torque Wrench



Torque range 0-250 in. lbs., Newton Metres 0-28.0 equipped with follower needle dial. Length 10". 3/8" Square Drive.

K-D 2556 Precision Dial Torque Wrench



Torque range 0-600 in. lbs., Newton Metres 0-800.0 equipped with follow needle dial. Length 14 7/8". 3/8" Square Drive.

K-D 2557 Precision Dial Torque Wrench

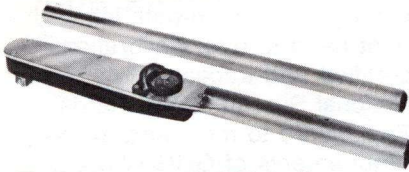


Torque range 0-175 ft. lbs., Newton Metres 0-240 equipped with follower needle dial. Length 22 1/2", 1/2" Square Drive.

Torque wrenches continued

Torque Wrenches

K-D 2558 Precision Dial Torque Wrench



Torque range 0-600 ft. lbs.,
Newton Metres 0-70 equipped
with follower needle dial. Length
46½". ¾" Square Drive.

K-D 2559 Precision Dial Torque Wrench



Torque range 0-1000 ft. lbs.,
Newton Metres 0-1400,
equipped with electric signal
dial. Length 74¼",
1" Square Drive.

K-D 2560 Precision Beam Torque Wrench



Torque range 0-300 ft. lb.,
Newton Metres 0-400 Torque
either clockwise or counter-
clockwise. Scale reads in ft. lbs.
and Newton Metres. Welded
beam-to-head construction
prevents loosening of beam and
loss of wrench accuracy.
Length 29", ¾" Square Drive.

K-D 2561 Precision Torque Multiplier



10 to 1 output. Input times 10
gives output within ±4%
accuracy. Ruggedly constructed
for tough nut breaking jobs.
All gears and shafts are mounted
in precision needle bearings.

Maximum Input Torque —
200 ft. lbs.

Maximum Output Torque —
2000 ft. lbs.

Input Drive — ½" sq. female

Output Drive — 1" sq. drive

Multiplier Body Length — 11½"

Multiplier Body Width — 6"

Depth (Includes Drives — 6"

Reaction Bar — 24"

Body & Reaction Arm Overall
Length — 32½"

K-D No.	Torque Range English	Torque Range Metric Kilograms	Torque Range N•m	Overall Length	Square Drive Size	Graduations English	Graduations N•m
2384	30-250 in. lbs.	35-291.67 cm kg	40-277 dN•m	12½"	⅜"	1 in. lb.	1.1 dN•m
2385	10-100 ft. lbs.	1.73-17.3	16.9-132.2	15⅝"	½"	.5 in. lb.	.7 N•m
2386	30-250 ft. lbs.	5.19-43.25	47.4-332.1	19½"	½"	1 ft. lb.	1.35 N•m
2387	300-0-300 in. lbs.	350-0-350 cm kg	0-350 dN•m	16"	⅜"	10 in. lbs.	12.5 dN•m
2388	150-0-150 ft. lbs.	25.95-0-25.95	0-200	19"	½"	5 ft. lbs.	10
2401	100-600 ft. lbs.	17.3-79.4	169.5-779.5	40"	¾"	5 ft. lbs.	6.8
2555	0-250 in. lbs.	0-280 cm kg	0-280 dN•m	10"	⅜"	5 in. lbs.	5 dN•m
2556	0-600 in. lbs.	0-700 cm kg	0-700 dN•m	14⅞"	⅜"	10 in. lbs.	20 dN•m
2557	0-175 ft. lbs.	0-24	0-240	21½"	½"	5 ft. lbs.	5 N•m
2558	0-600 ft. lbs.	0-80	0-800	46½"	¾"	10 ft. lbs.	20 N•m
2559	0-1000 ft. lbs.	0-140	0-1400	74"	1"	20 ft. lbs.	25 N•m
2560	0-300 ft. lbs.	0-51.90	0-400	29"	¾"	10 ft. lbs.	25 N•m
2561	AMPLIFICATION FACTOR 10 to 1 Maximum 2000 ft. lbs. Max. 280			32½"	1"	—	—

N•m = Newton Metre dN•m = Deci Newton Metre

Don't miss K-D's newest tools starting on page 100...

K-D 2551

Electronic Ignition Tester



This tester connects in seconds and analyzes electronic ignition malfunctions through solid state logic. Go-no-go lights pinpoint the specific problem so there's no need to check meter values. This hand held unit includes these significant features:

1. Works on most domestic and some foreign cars
2. Solves intermittent failure problems
3. Works even when battery is too low to start the engine

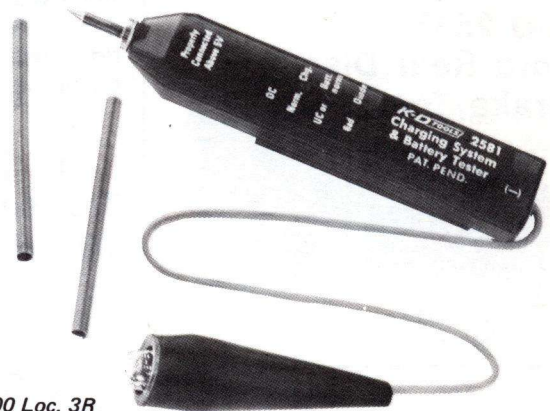
This unit is used for coil and E.C.U. output tests. It is designed for maximum dependability and gives a visual and audio indication of the spark.



For no start conditions, see K-D's economical 2600 Electronic Ignition Quick check on page 92.

K-D 2581

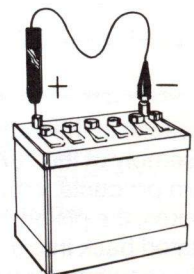
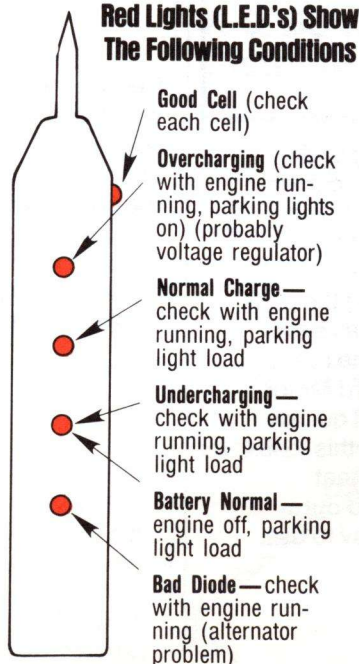
Charging System & Battery Tester



VIP 300 Loc. 3R
POP 200 Loc. CL

Tester connects to the battery in seconds and shows you instantly the condition of your charging system and battery.

Red Lights (L.E.D.'s) Show The Following Conditions



Included are 2 battery cell probes to check individual battery cells and a complete instruction folder.

Skin Packed

K-D 2371
Flare Nut Wrench
9mm - 10mm



VIP 300 Loc. 1CE

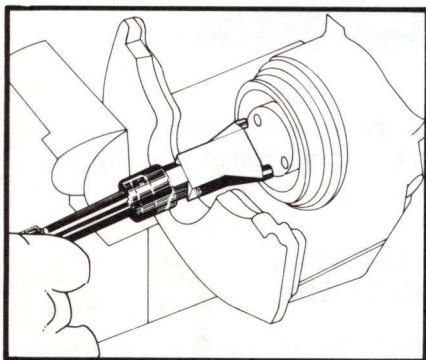
Skin Packed

Double-end flare nut wrench made of forged alloy steel. Heat treated and chrome plated.

K-D 2545
Ford Rear Disc Brake Tool



VIP 300 Loc. 5L
Skin Packed



Because of the parking brake assembly of the 1975 to current Ford products, with rear disc brakes, the piston must be rotated back into the caliper cylinder when replacing the pads. Every mechanic who has ever attempted to replace the rear pads on late model Ford Motor Company products will quickly recognize the need for this tool. It's precision cast and heat treated for strength and durability. Best of all, it's easy to use.

K-D 2546
Economy Oil Filter Wrench

Made
in
U.S.A.

VIP 300 Loc. 4CE
POP 200 Loc. FR



Here's a newly designed oil filter wrench for the do-it-yourselfer. It's made in the USA and offers high quality at a reasonable price. Removes filters 3-7/16" to 3-3/4" in diameter. Easy "how to do it" instructions included for the home mechanic.

K-D 2547*
Transmission Stop Off Tool

Skin Packed



VIP 300 Loc. 4CF
POP 200 Loc. AL

Reduces transmission fluid waste and sloppy working conditions by plugging up the opening in a transmission when the drive shaft is removed. Eliminates the drainage of fluid from the rear housing when repairing drive shaft or replacing U joints. Fits most U.S. cars.

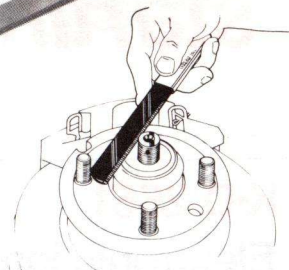
*Patent applied for.

K-D 2553
Thread Restorer

VIP 300 Loc. 2L



Skin Packed



Here's a quick and easy way to restore external left or right hand threads. The 2553 is a universal thread restorer tool that will handle most jobs with ease. It appeals to professionals and do-it-yourself mechanics by working on fine, coarse or metric threads.

K-D 2554
Oil Seal & "O" Ring Pick

Skin Packed



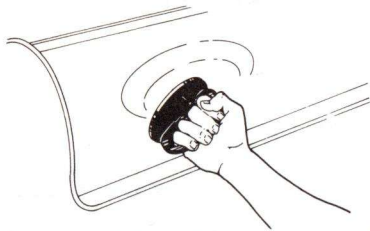
VIP 300 Loc. 1CC

This handy tool makes removal and installation of oil seals and "O" rings a snap. It's great for working on such repair jobs as transmissions, power steering pumps, disc brakes, air conditioning, etc.

K-D 2566 Dent Puller & Glass Holder

VIP 300 Loc. 2L
POP 200 Loc. ER

Skin Packed



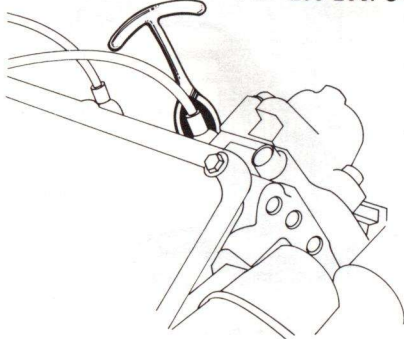
The powerful suction created by the 2566 easily pops dented doors and fenders into place. Will work on nearly every dent where the sheet metal has not been creased. The tool also functions as a glass holder. Finger tip tabs release the tool's suction instantly when the job is completed.

K-D 2568 Spark Plug Boot Puller



Skin Packed

VIP 300 Loc. 2L
POP 200 Loc. C4



A low cost tool for quick and easy removal of spark plug boots. This tool eliminates burns when working on hot engines, and makes it a snap to pull those hard-to-reach boots. It is non-conductive which eliminates shock hazard.

K-D Single Size Distributor Wrenches

A necessity for any shop doing distributor work. These economy wrenches fit most distributors with same hex head size as wrench. Examples given with each. Gets to the nut locking the distributor and enables the mechanic to loosen nut, adjust timing and lock distributor.

K-D 2575 1/2" Distributor Wrench



American Motors — 258 6 cyl.
Chrysler — V8's
Ford — V8's '66-'77
International — 4 cyl., 258 6 cyl.

K-D 2576 9/16" Distributor Wrench



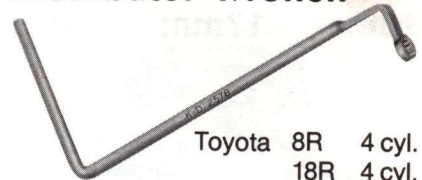
GM 283 V8	400 V8
327 V8	427 V8
350 V8	454 V8
396 396 V8	American Motors 360 V8

K-D 2577 10 mm Distributor Wrench



Datsun	240	6 cyl.
	260	6 cyl.
	280	6 cyl.
	1400	4 cyl.
	2000	4 cyl.
Mazda (except Rotary)		

K-D 2578 12mm Distributor Wrench



Toyota	8R	4 cyl.
	18R	4 cyl.
	20R	4 cyl.
	MX	6 cyl.
	F155	6 cyl.

K-D 2579 13mm Distributor Wrench



Ford	2000 cc	4 cyl.
	2800 cc	V-6

K-D 2580 17mm Distributor Wrench



Fiat	1600 cc	4 cyl.
Ford	2300 cc	4 cyl.

K-D Double Size Distributor Wrenches

Deluxe versions of the single size wrenches. Most common metric sizes can be used as unit or taken apart and used with 3/8" drive ratchet or extender. Adaptor included.

K-D 2589 10mm-12mm Distributor Wrench



VIP 300 Loc. 3CB

Datsun
Mazda
Toyota

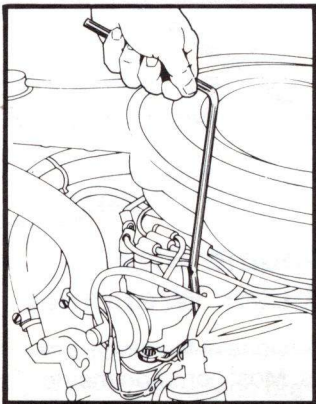
K-D 2590
Distributor Wrench
13mm - 17mm



VIP 300 Loc. 3L
POP 200 Loc. C6

K-D 2591
Distributor Wrench Set
(K-D 104, K-D 2589,
K-D 2590)

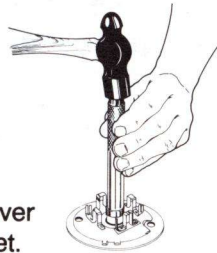
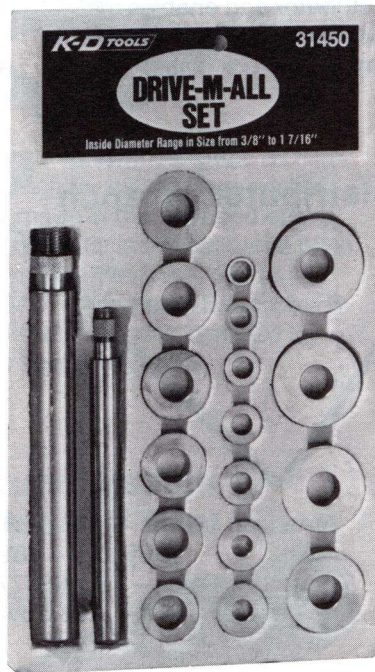
VIP 300 Loc. 3L
POP 200 Loc. C6



Above is the most complete family of distributor wrenches available in various combinations for both do-it-yourselfer and professional mechanics. Fractional and metric single size wrenches are 1/2", 9/16", 10MM, 12MM, 13MM and 17MM. Double sized wrenches are 1/2" and 9/16", 10 and 12MM and 13 and 17MM. The double sized wrenches are also available in a specially priced set for the professional mechanic doing distributor work.

K-D 31450
Drive-M-All
Bushing Remover and
Insertor Set

VIP 300 Loc. 5R
POP 200 Loc. EL



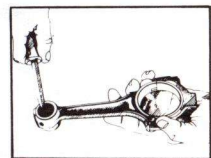
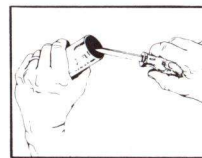
Bushing remover and insertor set. For automobile, truck, bus, tractor, farm, road and construction equipment bushings. Set includes complete range of sizes for virtually all above applications.

K-D 2567
Triangle Scraper

VIP 300 Loc. 5CA

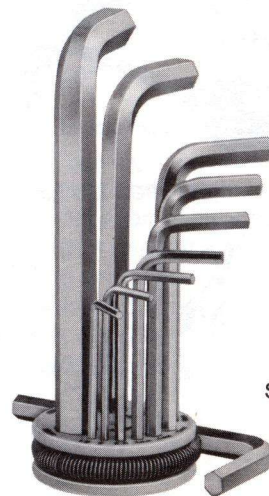


Skin Packed



Provides a quick and easy way to remove sharp edges around drilled or tapped holes. The unique triangular shape gives you three cutting edges. It's great for scraping bearing and gasket surfaces.

K-D 2582
Hex Wrench
Caddy Pack



Skin Packed

VIP 300 Loc. 3L

Ideal for industry, home, car and boat. Holds 13 sizes from .050 Hex to 3/8" Hex. Sizes are marked on Caddy. Coil spring holds wrenches in place. Caddy can hold hex wrenches upright on flat surfaces.

K-D 2592 Universal Spark Plug Starter

VIP 300 Loc. 1CD

Skin Packed



The flexible shaft permits quick and easy insertion or removal of plugs from hard to reach places. One size fits all standard plugs. Helps eliminate burns from hot engine. Heavy-duty neoprene head grips plug firmly, releases easily. Overall length 10-1/2".

K-D 2594 Multi-Diameter Drill Bit

VIP 300 Loc. 1CD



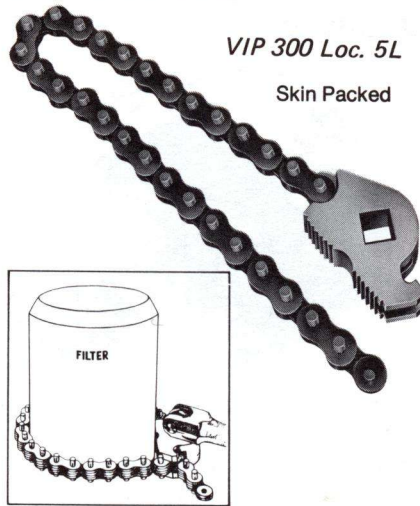
Skin Packed

Does the work of six drill bits. Perfect for plastics, plywood and sheet metal. Drills 6 hole sizes from 3/16" to 1/2" in material up to 3/8" thick. No starter punch needed to start. Automatically deburrs drilled hole. Hole sizes quickly determined. Rugged high speed steel. Easy to keep sharp. Fits 1/4" drills.

K-D 2595 Chain Wrench

VIP 300 Loc. 5L

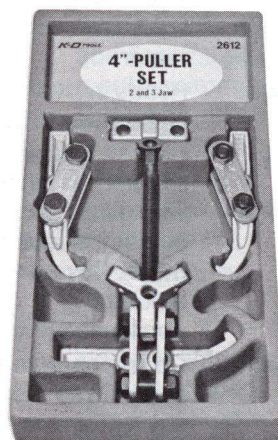
Skin Packed



Use with any 1/2" square drive wrench. Works on any shape; round, square, hex — just wrap the chain around the part and turn. Capacity 5/8" to 5".

K-D 2612 Puller Combination Kit

VIP 300 Loc. 2R

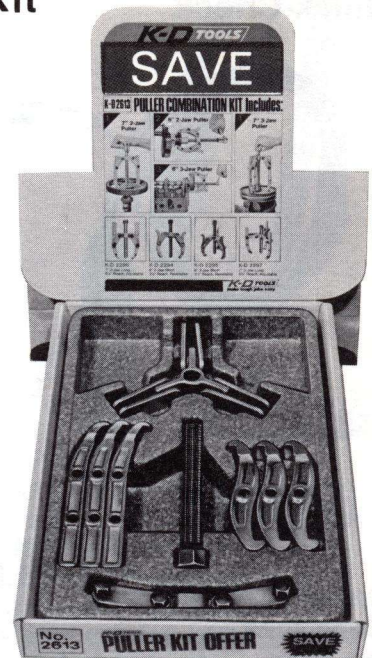


Component parts for two different pullers are included in this easy-to-assemble kit priced substantially below the pullers purchased separately.

No need to buy two individual pullers. Set includes parts to make either of the following:

- No. 2292** 4" 2-Jaw adjustable gear puller, 4" spread, 3-1/2" reach.
- No. 2293** 4" 3-Jaw adjustable puller, 4" spread, 3-1/2" reach.

K-D 2613 Puller Combination Kit



You get the versatility of four pullers in this one, easy-to-assemble kit.

Priced substantially below the cost of the four individual pullers, this set includes components to make any one of the four following pullers:

- No. 2294** 6" 2-Jaw reversible puller, 6" spread, 3-1/2" reach.
- No. 2295** 6" 3-Jaw reversible puller, 6" spread, 3-1/2" reach.
- No. 2296** 7" 2-Jaw adjustable puller, 7" spread, 5-1/2" reach.
- No. 2297** 7" 3-Jaw adjustable puller, 7" spread, 5-1/2" reach.

Makes pulling stubborn gears, pulleys, bearings or other press fit parts easier.

K-D 2600 Electronic Ignition Quick-Check



Skin Packed
VIP 300 Loc. 6R

Designed for No Start Conditions

Checks these components: Coil, Module, Pick-up and Input Voltages.

SIMPLE two-step, go-no-go procedure to locate cause of no-start problems.

EXCLUSIVE FEATURES

- Tests ignition system components without use of separate volt ohm meter.
- Can distinguish between a bad distributor pick-up or a bad reluctor.
- Checks for voltages and continuity.
- Doesn't require battery hook-up to power unit.
- Has magnet for holding tester in place while in use.
- Works on standard electronic ignition systems — GMC — Ford — AMC — Chrysler.

K-D 2610 Digital Engine Analyzer



With this compact analyzer, large easy-to-read digital readouts give you instant measurements with accuracy unobtainable in existing meters.

Auto

Ranging: No range selector buttons or switches, it automatically adjusts.

Tach: Reads to 9999 rpm — Reads direct — No scale selection required.

Dwell Angle: Reads direct — No scale selection required.

Voltage: Reads in .10 Volts increments to 50 VDC.

Ohms: Checks ballast resistors to ignition wiring and decimal placement is automatic. Covers all automotive applications.

Amps: Covers charging system and most starter current requirements.

Worn Cam: Indicator light shows dwell angle variations greater than $\pm 2^\circ$ in one distributor shaft revolution.

Bad Alternator

Diode: Indicator light shows shorted or open alternator diodes.

The K-D 2610 works on most four, six or eight-cylinder engines and all ignition systems, conventional or electronic.

Go or Tow? The NEW K-D 2632 Portable Ignition System Gives you a choice.



When your car won't start due to faulty ignition system components — use K-D's new Portable Ignition System for highway breakdowns.

- Easy to operate
- Works on any gasoline powered piston-type engine
- Bypasses these failures in most ignition systems:
 1. point failure — condenser failure — pick-up failure
 2. coil failure (except GM HEI)
 3. Electronic Control Unit (ECU) failure
- Remote switch starts engine while sitting inside car
- Complete instructions enclosed

Perfect for company fleets, garages, car dealers and marinas. Use to start cars, trucks and boats for fast, convenient road call service. Easy 3-step hookup.

K-D 2634
Digital Tach-Dwell
Meter



This meter offers these important features of the 2610 Digital Engine Analyzer:

Auto

Ranging: No range selector buttons or switches, it automatically adjusts.

Tach: Reads to 9999 rpm — Reads direct — No scale selection required.

Dwell Angle: Reads direct — No scale selection required.

Worn Cam: Indicator light shows dwell angle variations greater than $\pm 2^\circ$ in one distributor shaft revolution.

The 2634 also works on all four, six or eight-cylinder engines and most ignition systems, conventional or electronic.

K-D 2635
Digital Volt, Ohm,
Amp Meter



Offers these features of the 2610 Digital Engine Analyzer.

Auto

Ranging: No range selector buttons or switches, it automatically adjusts.

Voltage: Reads in .10 Volts increments to 50 VDC.

Ohms: Checks ballast resistors to ignition wiring and decimal placement is automatic. Covers all automotive applications.

Amps: Covers charging system and most starter current requirements.

Bad Alternator Diode:

Indicator light shows shorted or open alternator diodes.

The 2635 works on most four, six and eight-cylinder engines.

K-D 2639
Inspect-A-Lite



Ideal for inspecting water jackets in heads and blocks, checking oil passages for dirt and checking automatic transmission cases or valve bodies for cracks and defects. Rods conduct light straight down passages or around corners to reach areas that cannot normally be seen. Small mirror fits ends of rods. Includes flashlight, straight rod, curved rod and mirror in vinyl case. Penlite batteries not included. Packed in plastic pouch.

K-D 6000
Supreme Micrometer



An economically priced, general purpose measuring tool for the mechanic. With friction stop, satin chrome barrel with baked enamel frame. Range: 0 - 1" Grads: .001"

K-D TOOL DISPLAY PROGRAM

The easy way to speed up turn-over and step up profits is with K-D's eye-catching displays containing fast-moving, self-selling tools.

VIP 300 Rotary Display Merchandiser

This display lets you merchandise 298 fast-moving tools for both do-it-yourselfers and professionals. It occupies only 17 sq. ft. of floor space and features a low profile (58-1/2" high), impulse-oriented look. Other important features: specially designed, permanently installed patent-pending hooks for safety and pilfer resistance; panels and tool skin-pack cards are coded for fast, easy stocking. The display assembles in 10 minutes or less. Display is offered free when either of three tool assortments is ordered.

Assortment **No. 80526** 106 Tools

Assortment **No. 80527** 298 Tools

Assortment **No. 80551** 135 Tools

VIP 300 BENEFITS

- Automatic Tool Sales
- Do-It-Yourself Tool Sales
- Mechanic's Tool Sales
- Impulse Sales
- Maximum Tool Exposure
- Minimum Space Used
- Broad Coverage
- Automatic New Tool Updates
- Increased R. O. I.
- Increased Profits



DESIGNED FOR THE PREMIER JOBBER, THE VIP-300 SHOULD BE THE MOST PROFITABLE DISPLAY YOU CAN USE, JUST:

- Put It To Work In Your Best Spot
- Keep It Fully Stocked
- Eliminate Unprofitable Duplication

Pop 200 Rotary Display Merchandiser

The Pop 200 Rotary Display features 177 fast-moving automotive hand tools for both do-it-yourselfers and professional mechanics. The display occupies only 7 sq. ft. of floor space and features a low profile (58-1/2" high) impulse-oriented look. Other features: the display revolves as does each of the 3 carousel panels and tool skin pack cards are coded for fast, easy stocking, and display is offered free when either of three tool assortments is ordered.

Assortment **No. 80533** 177 Tools

Assortment **No. 80534** 103 Tools

Assortment **No. 80552** 135 Tools

POP 200 BENEFITS

- Automatic Tool Sales
- Do-It-Yourself Tool Sales
- Mechanic's Tool Sales
- Impulse Sales
- Maximum Tool Exposure
- Minimum Space Used
- Broad Coverage
- Automatic New Tool Updates
- Increased R. O. I.
- Increased Profits



DESIGNED FOR THE MEDIUM-SIZED JOBBER WITH MODERATE SPACE. TO MAXIMIZE TOOL SALES, JUST:

- Put It To Work In Your Best Spot
- Keep It Fully Stocked
- Eliminate Unprofitable Duplication

"Low Profile" Four Cabinet Revolving Floor Display

FOUR cabinet assortments with tools to make up your high profit, four unit display. 24" wide x 58½" high.

Four (4) cabinets available.

Promotion **No. 80500** Torque Wrenches

Promotion **No. 80501** Pullers

Promotion **No. 80502** Pullers

Promotion **No. 80517** Flex-Hones™

Promotion No. 80500
Torque Wrenches

Designed for all jobbers to merchandise those high ticket items previously kept on the shelf.

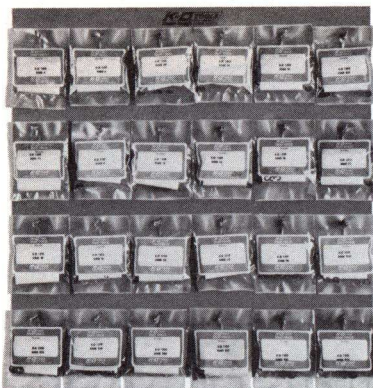
Promotion No. 80502
Pullers

DISPLAY BENEFITS

- Merchandises Your High Value K-D Professional Mechanic's Tools In Secure, Pilfer Proof Cabinets.
- Automatic Sales
- Uses Minimum Floor Space
- Improves R. O. I.
- Increased Profit



Snap Ring Displays



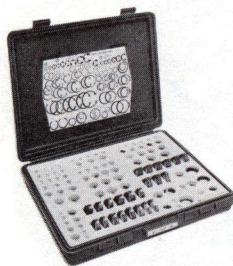
K-D 80524 2 display wall panels
55 Snap Ring packs

K-D 80525 4 display wall panels
107 Snap Ring packs

Now you can merchandise your snap rings with K-D's all new wall-mounted display panels. The two panels included with Assortment #80524 measure 24" x 24" and are designed to accommodate 55 popular snap ring packs.

All 107 snap ring packs can be displayed on the four panels included with assortment #80525.

K-D 2550 Snap Ring Assortment in Plastic Case



A great way for the jobber or dealer to stock snap rings. The 18" x 13" x 2-1/2" plastic case has molded openings for each of the 107 snap rings. A starting assortment of all 107 sizes is included, a total of over 1,000 rings. Ring sizes cover virtually all automotive and industrial applications. Silhouette chart shows the number and exact size of all rings.

Refill assortments available for all 107 sizes.

Replacement Parts Cabinet



No. 80542 (Assortment of 35 replacement parts)

No. 80543 (Assortment of 59 replacement parts)

Additional profits can be yours through K-D's replacement parts sales.

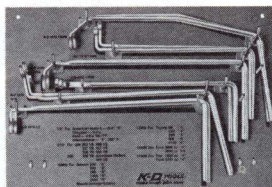
Satisfy your customer and eliminate downtime by providing him with the replacement part when he needs it.

Here's what you get when you order K-D #80542 or 80543.

An inexpensive assortment of the most common replacement parts.

The good-looking parts cabinet can be mounted on the wall or sit on your counter top and it comes to you at no extra cost.

Distributor Wrench Display No. 80541



Space saver display board is only 13-1/2" x 20".

The 11-tool assortment features 6 wrench sizes including popular metric sizes for import cars.

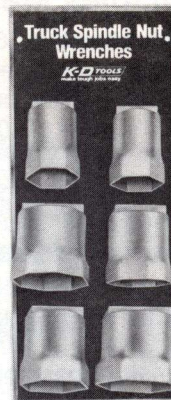
Distributor Wrench application is shown on the display board.

Qty	K-D Tool #	Description
3	2575	Distributor Nut Wrench, 1/2"
3	2576	Distributor Nut Wrench, 9/16"
1	2577	Distributor Nut Wrench, 10MM
1	2578	Distributor Nut Wrench, 12MM
2	2579	Distributor Nut Wrench, 13MM
1	2580	Distributor Nut Wrench, 17MM

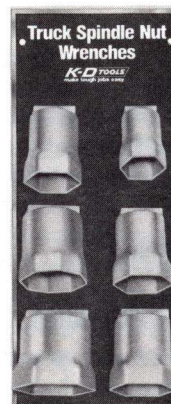
Spindle Nut Wrench Merchandiser



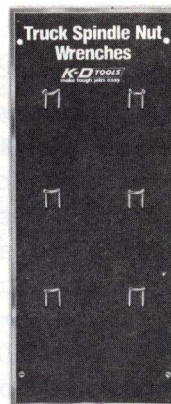
Assortment
No. 80510



Assortment
No. 80511



Assortment
No. 80512



Assortment
No. 90050

Start cashing in on the new business K-D Spindle Nut Wrenches will bring you.

Order Assortment 80510 today and get K-D's 5 best-selling wrenches plus your free, compact wall merchandiser.

But don't stop there.

You can expand your selection of Spindle Nut Wrenches to your customers by adding additional assortments — each mounted on its own display board.

When you order assortment 80510, also order assortment 80511 or 80512 or both. Then stand back and watch them sell.

There's even a blank board (90050) for you to add on allowing you to select six (6) wrenches of your choice.

There are big profits waiting for you in K-D Spindle Nut Wrenches. Order today — and start cashing in. Your choice of six wrenches.

Top 100 Floor Display Merchandiser **NEW**

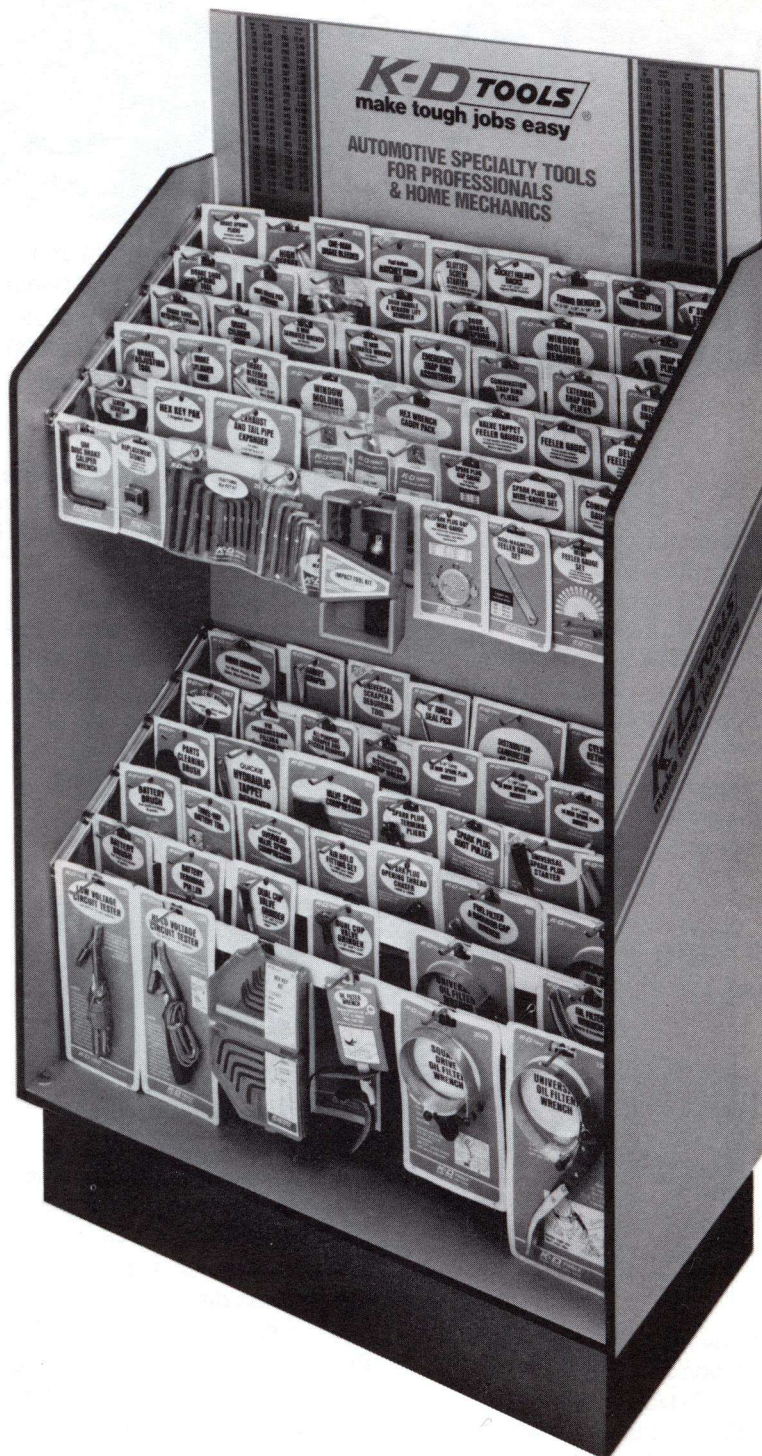
This attractive 36" x 48" x 18" silver and red self-merchandiser is free with the purchase of an assortment of 100 fast-selling K-D Tools.

Easy-to-assemble. Sturdy wooden construction. Coded pegs for fast, easy restocking. Quick sales and small space requirements make this an ideal display for maximizing sales in small jobber stores.

Assortment No. 80562 100 Tools

TOP 100 BENEFITS

- Automatic Tool Sales
- Do-It-Yourself Tool Sales
- Mechanic's Tool Sales
- Impulse Sales
- Minimum Space Used
- Broad Coverage
- Automatic New Tool Updates
- Increased R.O.I.
- Increased Profits

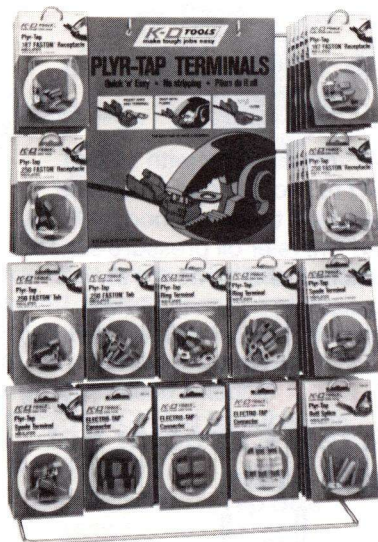


DESIGNED FOR THE SMALLER JOBBER WITH LIMITED SPACE.
TO MAXIMIZE TOOL SALES, JUST:

- Put It To Work In Your Best Spot
- Keep It Fully Stocked
- Eliminate Unprofitable Duplication

NEW

Plyr-Tap Display
No. 80554



The Plyr-Tap Terminal, Connector and Electro-Tap Splice is unique. The insulation displacement concept works every time and needs no special tools to make the connection — just an ordinary pair of pliers.

It is the perfect connector for an emergency situation. Excellent for Rec Vehicles, Boats, Trailers, Cars and numerous other applications around the shop, home, marina and farm.

Six styles of connectors are available. The ring terminal is especially useful because of the multi-stud hole — including sizes 6, 8 and 10.

The rack is free. Perfect for point-of-purchase sales. An assortment of 14 products is included with starter display — 84 blister package cards.

Reorder by individual package number.

NEW

Roto-Seller Display
No. 80555



Contains a full range (32 individual products) of the most popular, fast moving electrical terminals, connectors and splices used in automotive applications for the do-it-yourselfer and the professional installer.

This handsome, attractively blistered packaged product display occupies only about one square foot of counter space and can provide the highest profit potential of any fixture within a jobber's store. Total of 192 packages.

Reorder by individual package number.

NEW

Large Jobber Wall Display
No. 80556



This 38 position wire rack dispenser constructed from heavy duty zinc plated wire is the ideal answer for inventory control and rapid order fulfillment on both the WD & Jobber level. This display can be refilled rapidly from ample supply on hand at K-D Warehouses.

Measuring 35-3/4" wide by 31-1/2" high by 5-5/8" deep, the display only takes 7-1/2 square feet of wall space. Perfect for behind counter.

Unit has storage space for 182 small boxes and 60 large boxes, a total of 242 boxes of fast moving product to keep your customers in ready supply. The rack itself is worth over \$100; yours free with first order.

NEW

Terminals & Splices Rack No. 80565



This unique wire rack dispenser is made of lacquer-coated zinc-plated heavy gauge wire which offers the ultimate in inventory control and quick order fulfillment profits.

There are twelve individual shoots with space for 72 window boxes. Easily refillable and measures approximately 16" x 25" and only occupies about 2-1/2 square feet of wall space. (For special application, this display has retainer bar to lock in boxes.)

Initial order contains an assortment of the twelve most commonly used crimp-on electrical terminals and connectors; a total of 24 boxes (2 of each product), no charge for rack.

Reorder by individual package number.

NEW

In-Line Fuse Holder Display No. 80566



Offers the newest concept for in-line automotive, quick installation fuse holder (and other applications). Two units per blister card; twenty-four blister cards.

Takes only a small amount of counter space. Fast turnover. No other fuse holder like it available today.

Rack is free. Reorder by individual package number.

K-D 2569

NEW

Oil Pressure and Stop-light Switch Socket



Skin Packed

3/8" drive socket with 1" and 1-1/16" socket and relief area designed to accommodate Ford and Chrysler oil pressure sensor switches and some old style brake light switches. Safely removes switch without damage.

K-D 2584

NEW

Screw Extractor Set with Drills



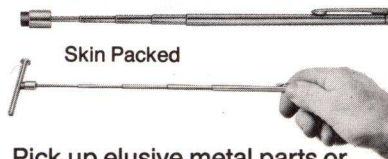
For removal of broken studs, set screws, pipe and alemite fittings. Complete information on bolt size and drill size is included. Ideal for the professional mechanic.

K-D Screw Extractor No.	Screw, Bolt or Stud Size	Drill Size	K-D Drill No.
2419-01	9/16" to 3/4"	17/64"	80175-15
2419-02	7/16" to 9/16"	1/4"	80175-14
2419-03	5/16" to 7/16"	5/32"	80175-08
2419-04	No. 12 to 5/16"	7/64"	80175-05

K-D 2593

NEW

Telescoping Pocket Magnetic Pick-up Tool



Skin Packed

Pick up elusive metal parts or tools in hard to reach places with this handy tool.

Magnetic pick-up tool telescopes up to 18" nom. Lift capacity 7 oz. Includes pocket clip.

K-D 2603 NEW Plug Tap Set



This set of five quality taps is packed in a soft, plastic pouch for easy selection and storage. Set fits most automotive jobs requiring Unified National Coarse (UNC) plug type threads.

Sizes as follows:

K-D Number	Tap Size
2603-02	10-24
2603-03	1/4"-20
2603-04	5/16"-18
2603-05	3/8"-16
2603-06	7/16"-14

K-D 2604 NEW Plug Tap Set



This quality set consists of five Unified National Fine (U.N.F.) Plug Type Taps packed in a pouch like K-D 2603. General automotive applications.

Sizes as follows:

K-D Number	Tap Size
2604-02	10-32
2604-03	1/4"-28
2604-04	5/16"-24
2604-05	3/8"-24
2604-06	7/16"-20

K-D 2605 NEW Tap & Drill Set

Set consists of five quality Unified National Coarse (U.N.C.) Plug Taps and five High Speed Tap Drills packed in a handy pouch. This set is a real time saver for the Professional & Do-It-Yourself Mechanic when drilling and tapping holes.



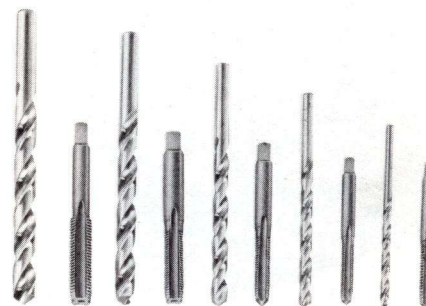
Set consists of following:

K-D Number	Tap Size
2603-02	10-24
2603-03	1/4"-20
2603-04	5/16"-18
2603-05	3/8"-16
2603-06	7/16"-14

K-D Number	Tap Drill Size
80177-25	#25 (.1495")
80177-07	#7 (.201")
80176-06	F (.257")
80175-18	5/16" (.3125")
80176-21	U (.368")

K-D 2606 NEW Tap & Drill Set

Set consists of five Unified National Fine (U.N.F.) Plug Taps and five High Speed Tap Drills. Packed similar to K-D #2605 Set and of same high quality.



Tap & Drill Sizes as follows:

K-D Number	Tap Size
2604-02	10-32
2604-03	1/4"-28
2604-04	5/16"-24
2604-05	3/8"-24
2604-06	7/16"-20

K-D Number	Tap Drill Size
80177-21	#21 (.159")
80175-12	7/32" (.2188")
80175-16	9/32" (.2812")
80175-20	11/32" (.3438")
80175-23	25/64" (.3906")

K-D 2607

NEW

**Tap & Reamer
Holder**



A handy tool for driving Taps, Reamers, and Screw extractors, this quality wrench is made from carburizing steel. The precision, heat-treated, minimum wrench opening 5/32" sq., maximum wrench opening 1/2". Overall closed length approx. 8-7/8". Finish-handles zinc plated. Jaws black. Packed in plastic pouch.

K-D 2632

NEW

**Portable Ignition
System**



Allows a car with ignition system problems to be started & driven until it can be repaired. Unit is mounted in engine compartment with on-off switch on long lead to driver compartment.

Simple connections and flip of switch is all that is needed to start car. Replaces points, condensor and coil in conventional systems and pick-up and control unit in GM HEI systems. Will operate with battery charge as low as 7.5 volts.

K-D 2646

NEW

**Circuit Tester
6 & 12 Volt**



Blister Packed

Tests for shorts or open circuits in 6 and 12 volt electrical systems. For car, home, boat, trailer, and aircraft. Quickly locates headlight, taillight, and turn signal circuits, faulty sockets, connections, fuses, and broken wires. Shock resistant with tough, durable plastic body. Use either end. Switch probe if bulb burns out. Cable approx. 36".

K-D 2647

NEW

Continuity Tester



Blister Packed

Battery powered continuity tester. Safely tests circuits with power off. Ideal for testing fuses, grounds, shorts, contacts, checking diodes and open circuits, etc. Designed for heavy duty use by mechanics, electricians, and service repairmen. Cable approx. 36".

K-D 2648

NEW

**Circuit Tester
24 & 48 Volt**



Blister Packed

Tests for shorts or open circuits in 24 and 48 volt electrical systems with power on. For car, home, boat, trailer, and aircraft. Quickly locates headlight, taillight, and turn signal circuits, faulty sockets, connections, fuses, and broken wires. Shock resistant with tough, durable plastic body. Use either end. Switch probe if bulb burns out. Cable approx. 36".

K-D 2649

NEW

**Combination Circuit
(6 & 12 Volt) and
Spark Plug Tester**



Blister Packed

A shock proof combination electrical trouble-shooter and spark plug tester. Actually two testers in one. To change from spark plug voltage to low voltage test function, simply use opposite end of tester. Low voltage tester locates headlight, taillight and turn signals, circuits, faulty sockets, connections, fuses, and broken wires.

Checks 6 & 12 volt circuits with low voltage bulb. Check spark plug voltage with neon bulb. Cable approx. 36".

K-D 2673 NEW Torx® Wrenches

Packed in Plastic Pouch



For easy removal and installation of nine popular sizes of Torx® head fasteners.

These wrenches are essential for complete servicing of late model Ford, GM, Chrysler and AMC vehicles. Wrenches can be used for such applications as door strikers, seat belt bolts, bumper bolts, head lamp bezels and many many more. Universal set includes nine wrenches in sizes from T-10 to T-50.

Individual Torx® wrenches available.

K-D No.	Size
2663-99	T-10
2664-99	T-15
2665-99	T-20
2666-99	T-25
2667-99	T-27
2668-99	T-30
2669-99	T-40
2670-99	T-45
2671-99	T-50

K-D 2674 NEW Bit Holding Socket



Skin Packed

Socket adapts 3/8" square drives to 1/4" bits.

K-D 2675 NEW Torx® Bit Set



Skin Packed

For easy removal and installation of six popular sizes of Torx® head fasteners. These bits are essential for complete servicing of late model Ford, GM, Chrysler, and AMC vehicles. Bits can be used for such applications as door strikers, seat belt bolts, bumper bolts, head lamp bezels and many more. Universal set includes six bits in sizes from T-15 to T-50 and two 3/8" square drive adaptors, sizes 5/16" and 1/4".

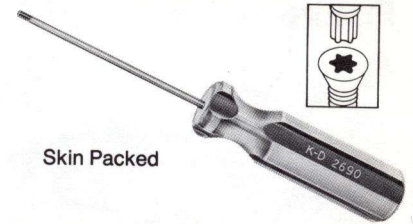
Sizes as follows:

K-D No.	Size
2680-99	T-15
2681-99	T-20
2682-99	T-25
2684-99	T-30
2685-99	T-40
2687-99	T-50
2061-99	Socket
2674-99	Socket

Also available:

2677	T-8
2678	T-9
2679-99	T-10
2683-99	T-27
2686-99	T-45

K-D 2690 NEW Torx® Screwdriver



Skin Packed

Torx® size T-15. The Torx® drive system is a 6 point fastening system which maximizes the driving surface for longer drive life and greater torque, while reducing slippage and minimizing worker fatigue. Used on most late model cars. Can be used to remove vehicle parts such as headlights, taillights, turning signal lights and exterior trim areas.

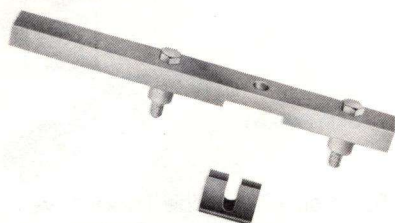
K-D 2692 NEW Battery Voltage Tester



Tests 12 volt batteries at voltages 12.2 to 12.7 volts for state of charge between 50% and 100%. Tests individual cell voltage for variations that indicate defective cells. Accurate to .1 volt.

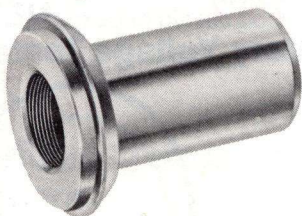
L.E.D.s give instant, direct readings with conventional and maintenance free batteries. Determine condition before recharging and without specific gravity. Easy two-step operation.

K-D 2693 NEW **Compressor Holding Fixture**



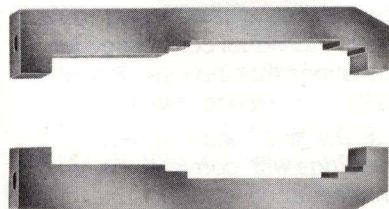
Holding fixture attaches to compressor with 7/16"-20 bolts. Mount assembly in vise when bench servicing is desired. Locking clip and hardware included.

K-D 2694 NEW **Compressor Rotor & Bearing Pilot**



For removal of rotor and bearing assembly. Position pilot over shaft on compressor. Use with K-D 2292.

K-D 2695 NEW **Compressor Shell Removal & Installation Jaws**



For removal and installation of compressor shell. Use with K-D 2015 puller body and K-D 2693 Compressor Holding Fixture.

K-D 2696 NEW **Bearing and Clutch Assembly Installer**



Permits installation of rotor and bearing assembly. Use with K-D 2693 — Compressor Holding Fixture.

K-D 2697 NEW **Compressor Oil Injector**



This tool is designed to add compressor oil to the system when adding refrigerant. Used in conjunction with manifold gauge assembly K-D 2051. Capacity 2 oz.

K-D 2698 NEW **Oil Filter Base Plate Wrench**



Skin Packed

Used with 1/2" sq. drive, spanner wrench can be inserted into oil passage holes of filter base plate when can has been damaged and removed. Removes base plate quickly and easily.

K-D 2700 NEW **K-Digital Torque Wrench**



Torque range 10-150 ft. lbs. Operator "feels" and "hears" when torque setting is reached. Exclusive dual digital viewing in English and Metric. Unique internal friction-proof mechanism. Length 30-1/2". 1/2" square drive.

K-D 2701 NEW **K-Digital Torque Wrench**



Features same unique dual signal, dual scale, digital features as K-Digital 2700 (above) with a 3/8" drive and 5-75 ft. lb. range overall length 17".

K-D 2702 NEW **Automatic Transmission Fluid Tester**



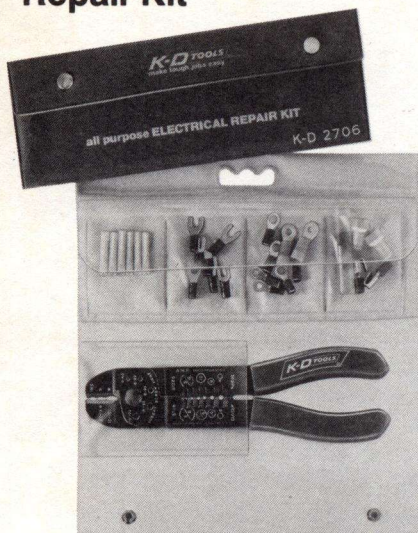
Packed in Plastic Pouch

Checks transmission fluid condition with color-coded chart and calibrated, dual-scale (Fahrenheit and Centigrade) temperature gauge.

Simple test can be completed in minutes. Squeeze bulb draws fluid into test chamber. Readings made directly.

Identifies overheated fluid which can lead to major repairs.

K-D 2706 NEW All Purpose Electrical Repair Kit



A tool that cuts and strips wire, crimps terminals and cuts bolts is sold with 26 of the most needed terminals in this all-purpose kit.

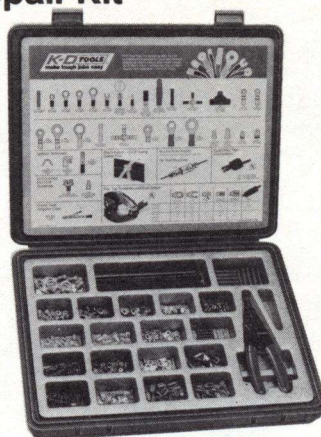
High-quality tool included is all you need to make repairs with terminals in set. Ring, spade and flanged spade terminals fit dozens of applications in cars, homes, and boats.

Durable vinyl kit folds to 3" x 9" x 1" for easy carrying in glove compartment or pocket. Plastic dividers hold terminals and professional crimping tool. Perfect for emergencies.

Terminal selection includes butt and closed end splices, ring, spade, and flanged spade terminals.

Packed in plastic pouch.

K-D 2707 NEW Automotive Electrical Repair Kit



This "Showcase" Kit was especially designed to meet the special demands of the auto repair center and the professional auto mechanic.

Offer the professional this durable, hard working 205-piece service kit. It includes a high quality crimping tool and an assortment of the most often used terminals in a sturdy plastic case.

Crimper cuts and strips wires, cuts bolts and has a pliers tip, in addition to crimping. The case has convenient storage compartments which enable a mechanic to keep an adequate supply of terminals for the many automotive applications he will encounter.

K-D 2751 NEW Fuse Remover/ Installer

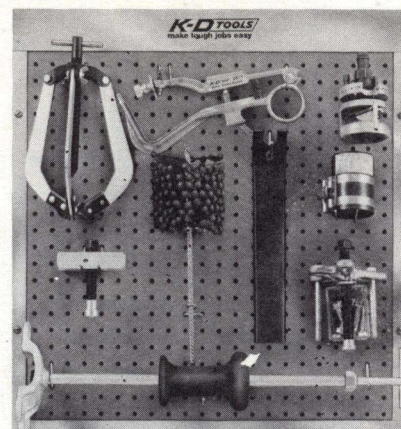


Skin Packed

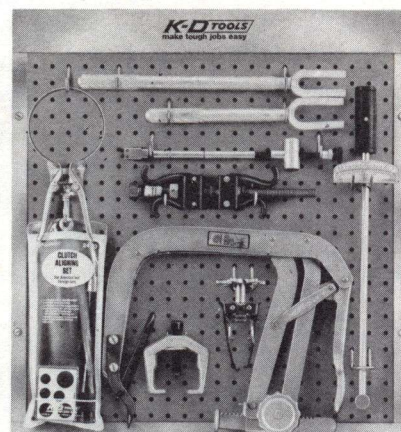
Easy removal and installation of conventional glass-tube and new "plug-in" fuses, with this double-ended tool.

Serves most automotive fuses. Insert jaws into plug-in type or around glass-type fuse. A clockwise twist locks it in place for installation or removal. A twist counterclockwise and its free. Rubber cap included to cover end not in use.

Tool Rental Boards



Assortment #80538



Assortment #80539

A Tool Rental Program can produce a steady income from a small investment!

HERE'S WHAT YOU GET ...
FREE BOARD AND HOOKS

Complete with Tool Instruction Sheet, suggested tool deposit and daily rental fee.

Display Program

K-D Displays are provided free to automotive jobbers with a minimum order requirement or a purchased tool assortment. Displays that will be drop shipped, transportation prepaid with the jobber's tool order are designated with an asterisk.*

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